



**SATASHKENT**  
College Prep Community

# ***SAToplam 2.0***

## ***Writing***

*Now with March, May, June, August 2025 questions*



**973 Questions  
with Answers**



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# Introduction

## Welcome to the SAToplam Writing Book!

Since the SAT went digital, students around the world have faced a serious challenge: **a lack of reliable, updated practice materials**. Most existing books and resources no longer reflect the structure or style of the new exam, leaving many learners unsure of how to study effectively.

At **@satashkent**, we recognized this problem early. We heard from students who were motivated to succeed but struggled to find quality materials that matched the real test. Therefore, we decided to build a solution for those in need.

This book is not just a practice resource; rather, it's a **strategic tool**. Every question inside comes directly from **real SAT exams** administered between **March 2023 and August 2025**, making your practice as close to the real test as possible. What sets this book apart is its **topic-based structure**: instead of random drills, you'll work on your actual weak points **organized clearly into subtopics like Boundaries, Form, Structure and Sense, Rhetorical Synthesis, and etc.**

Each section includes:

- **Must-know tips** to guide your thinking
- **Real exam questions** to apply what you learn
- **Recommended timing** to simulate test pressure

Our goal is simple: help you get better where it matters most. This is not about memorizing grammar rules for the sake of rules. It's about building the skills that raise your score and strengthen your overall English usage.

We believe smart practice leads to smart results. So, if you're serious about your SAT performance, you're in the right place.

Let's begin, birodari aziz!

## How to Use This Book

The **SAToplam Writing Book** by **@satashkent** is your all-in-one guide to mastering the Writing section of the digital SAT, built entirely on real exam questions from **March 2023 to August 2025**. It's designed for students preparing independently and aiming for accuracy, efficiency, and topic-specific mastery.

Since the SAT became digital, there's been a shortage of high-quality, structured resources. That's why we created this book: to close the gap for learners who are serious about improving but may not have access to expensive tutors or classes. This is a tool for progress and a mission to make top-tier prep accessible.

### Book Structure

The book is divided into four key domains of the SAT Writing section:

#### 1. Standard English Conventions

- Section 1: **Boundaries**
- Section 2: **Form, Structure, and Sense**

These sections help you fix sentence errors, improve clarity, and master grammar rules like punctuation and sentence cohesion.

#### 2. Expression of Ideas

- Section 3: **Transitions**
- Section 4: **Rhetorical Synthesis**

Here, you'll strengthen logical flow and learn how to connect ideas within and across paragraphs.

### How to Study with This Book

#### 1. Choose a Topic

Identify what you want to work on: punctuation, grammatical agreement, transitions, or student notes.

#### 2. Read the Must-Know Tips

At the start of each section, we provide strategic advice to help you approach that specific question type.

#### 3. Practice with Real Questions

Every question in this book has been pulled from an actual digital SAT. Practice in sets, and time yourself as you improve.

#### 4. Reflect and Review

Don't just mark right or wrong. Understand why the correct answer works and why the others don't.

#### 5. Revisit Weak Points

Keep track of missed questions and return to them until you're confident. The goal is mastery, not speed.

*\*Exam Level – This reflects the average amount of time you should spend on each question type during the actual SAT. If you're just beginning your SAT journey, take your time to understand each question thoroughly and focus on solving it with clarity.*

## A Resource for the Community

We built this book with a mission: to support learners in Uzbekistan and beyond who deserve real tools, not recycled theory. If you find any mistakes or want to contribute feedback, message **@randsupport** on Telegram.

This is your book. Use it well and let it take you one step closer to your dream score.

## References

All questions in this book are from March 2023 to August 2025 Real Exams.

This book is not affiliated with or endorsed by the College Board and is for educational use only.



# I Standard English Conventions

# Topic 1: Boundaries

249 Questions

## DIRECTIONS

### Must Know Tips:

- Pay attention to the independent and dependent clauses.
- Remember the usage of punctuation.
- Don't always read the whole passage!

**Recommended time per question in this section:** min: 25 sec, max: 45 sec, avg: 35 sec.  
(\*Exam level)

Within Earth's biomes, there are four main types of deserts: arid, semiarid, coastal, and cold. The Great Salt Desert in western Asia is an arid \_\_\_\_\_ it is one of the largest deserts in the world, with a total area of about 77,000 km<sup>2</sup>.

1

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) desert, for example;
- B) desert, for example,
- C) desert; for example,
- D) desert, for example

Writer Silvia Moreno-Garcia's love of short fiction began when she read a collection of Edgar Allan Poe's stories as a child, and she would develop into a prolific short story writer herself, publishing pieces like "Ahuizotl" (2015) and "Water" (2007). Yet she's best known as novelist, in part due to her \_\_\_\_\_ Gothic (2020), earning a spot on the New York Times Best Sellers list.

2

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) novel (Mexican)
- B) novel Mexican
- C) novel: Mexican
- D) novel; Mexican

Sociologist Alton Okinaka sits on the review board tasked with adding new sites to the Hawaii Register of Historic Places, which includes the Pufu'opae Bridge, built in 1915, and the Ma'alaea General Store, built in 1910. Okinaka doesn't make such decisions single-handedly, \_\_\_\_\_ historical designations must be approved by a group of nine other experts.

3

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) however, all
- B) however and all
- C) however all
- D) however. All

After finding information about Harold Eugene Ford, who represented Tennessee in the United States House of Representatives, the student discovered biographical sketches of two other Black Americans who served in \_\_\_\_\_ Harold Washington of Illinois and Augustus (Gus) Freeman Hawkins of California.

4

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Congress.
- B) Congress;
- C) Congress:
- D) Congress,

At 1,006 meters, the Forth Road Bridge in the United Kingdom is one of the longest suspension bridges in the \_\_\_\_\_ the Yavuz Sultan Selim Bridge in Turkey, at 14,08 meters, is even longer.

5

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) world, but,
- B) world,
- C) world, but
- D) world but



There is a common misconception that all cats detest \_\_\_\_\_ fishing cat, *Prionailurus viverrinus*, proves this assumption is false. This wild cat that lives in Southeastern Asia can not only swim long distances but also relies on fish for roughly 75 percent of its diet.

6

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) water; the
- B) water, the
- C) water the
- D) water – the

Trade with neighboring civilizations contributed to the success of the Neo-Assyrian Empire, which reigned in Mesopotamia from around 911 BCE to 609 BCE. By supplying grain, textiles, and tin to societies that lacked these valuable \_\_\_\_\_ Neo-Assyrian Empire grew not only in wealth but also in power and influence.

7

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) items. The
- B) items the
- C) items; the
- D) items, the

Theories have been put forth about what most influences our cultural \_\_\_\_\_ experience, or environment. Of the three options, the findings suggest that family background is the strongest determinant in molding an individual's cultural preferences.

8

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) tastes: genes, family
- B) tastes; genes, family
- C) tastes, genes, family
- D) tastes genes, family

A 2004 study led by \_\_\_\_\_ studied the impact of fertilizers containing nitrogen on grassland arthropod populations. Another study, led by Tracy in 2002, looked at fertilizers containing nitrogen and two other macronutrients: phosphorus and potassium.

9

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) researcher Peter Dennis
- B) researcher Peter Dennis,
- C) researcher, Peter Dennis,
- D) researcher, Peter Dennis

In Puerto Rico, it is not unusual for a city or town to be known by a nickname that corresponds to one of its notable features, like landscape, climate, famous residents, or chief exports. For example, the Puerto Rican Municipality of Arecibo has also been called “the villa of Captain Correa,” a nickname that alludes to what the area is well \_\_\_\_\_. Antonio de Correa, the 17th-century army captain who once defended the town.

10

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) known for:
- B) known: for
- C) ,known for
- D) known for;

In their research, behavioral \_\_\_\_\_ integrate methods from psychology and economics to analyze how and why people make particular choices and to examine the broader implications of those choices for the economy.

11

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) economists Laura Gee and Muriel Niederle,
- B) economists Laura Gee and Muriel Niederle
- C) economists Taura Gee, and Muriel Niederle,
- D) economists, Laura Gee and Muriel Niederle,

Today, the Michelin Gaise is widely known as the arbiter of fine dining, but when it was created in 1909, it was little more than a marketing gimmick. Brothers Andre and Edoward Michelin sought to increase profits for their tire company by encouraging their customers to drive across France, visiting the guide's recommended hotels and \_\_\_\_\_ as it grew in scope and influence, the guide had its modest French eateries replaced with the best restaurants from around the world including The Light in Macau and Sushi Weda in Nagoya.

12

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) restaurants
- B) restaurants;
- C) restaurants and
- D) restaurants,

Over the years, dozens of architectural and archaeological sites important to Hawaiian history and culture — such as Grove Farm, Kilauea School, and the Hana Belt Road — have been added to an important \_\_\_\_\_ Hawaii Register of Historic Places. New sites are added each year, as decided by a review board of experts including sociologist Alton Okinaka, architect Katie Stephens, and historian Sill Souza.

13

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) list: the
- B) list. The
- C) list; the
- D) list the

In Puerto Rico, it's not unusual for a city or town to be known \_\_\_\_\_ a nickname that corresponds to one of its notable features, like landscape, climate, famous residents, or chief exports. For example, the Puerto Rican municipality of Hatillo has also been called "the band of Green Fields," a nickname that alludes to what the area is well shown for: the lush greenery that surrounds it.

14

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) by
- B) by—
- C) by,
- D) by:

In the thought-provoking 2010 exhibition Relative Pelican at the Stux Gallery in New York, Sokari Douglas camp presented sculptures that had been \_\_\_\_\_ welded from recycled metal materials, such as oil drums. In doing so, the London-based Nigerian sculptor challenged viewers to imagine new uses and futures for the material wastes of the past.

15

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) cut, bent, and,
- B) cut, bent, and
- C) cut, bent; and
- D) cut bent, and

After finding information about Major Robert Odell Owens, who represented New York in the United States House of Representatives, the student discovered biographical sketches of two other Black Americans who served in \_\_\_\_\_ Josiah Thomas Walls of Florida and Thomas Ezekiel Miller of South Carolina.

16

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Congress.
- B) Congress:
- C) Congress;
- D) Congress

Though he's performed on many respected albums, including Trypnotyx by Victor Wooten, drummer Dennis Chambers may be best known for his time as house drummer for the hip-hop label Sugar Hill Records. He did not play drums on the label's classic song "Rapper's \_\_\_\_\_ he joined the label after the song's release.

17

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Delight," however,
- B) Delight," however;
- C) Delight." However,
- D) Delight" however



In 2020, internationally renowned Slovak photographer Mária Švarbová exhibited her work at the Contessa Gallery and the Art Angel Gallery in the United States and \_\_\_\_\_ utilizing vivid pastel colors, overexposed tones, and mirror like symmetry, Švarbová's photographs evoke a Socialist-era aesthetic that she describes as "minimalistic but also futuristic."

18

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Japan, respectively,
- B) Japan, respectively;
- C) Japan; respectively
- D) Japan, respectively

It was the kind of challenge that would set any art curator's mind into \_\_\_\_\_ that elusive thread that could link artists as disparate as American abstract painter Anne Ryan, Romanian impressionist painter Micaela Eleutheriade, and Flemish mannerist painter Anthony van Dyck.

19

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) motion, finding:
- B) motion. Finding
- C) motion; finding
- D) motion: finding

In Los Angeles County, California, bicycle paths such as the San Gabriel River bicycle path — which is 28 miles long — have become an increasingly popular means of travel. Moreover, lawyer and cycling \_\_\_\_\_ has identified several features of the Los Angeles landscape, like its temperate climate and mostly flat roads, that make the city naturally bike-friendly.

20

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) advocate Ernesto Hernandez-Lopez,
- B) advocate, Ernesto Hernandez-Lopez,
- C) advocate Ernesto Hernandez-Lopez
- D) advocate, Ernesto Hernandez-Lopez,

Each year, the Nobel Prize in Literature is given to an author who has, in the words of its founder Alfre Nobel, "produced the most outstanding work in an idealistic \_\_\_\_\_ in 1952, for instance, judges recognized François Mauriac "for the deep spiritual insight and the artistic intensity with which he has in his novels penetrated the drama of human life."

21

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) direction" and,
- B) direction"
- C) direction,"
- D) direction";

Sei Shōnagon composed many \_\_\_\_\_ "Things That Have Lost Their Power," which appears in her tenth-century account of Japanese courtly life, Pillow Book, she bemoans boats run aground, toppled trees, and defeated wrestlers.

22

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) lists;
- B) lists in
- C) lists. In
- D) lists:

In their 2019 study of butterfly diversity at Rupa Lake in Nepal, researcher Bandana Subedi and her colleagues counted 1,535 butterflies from 138 different species, including one specimen of the \_\_\_\_\_ Doleschallia bisaltide, a very rare butterfly known among lepidopterists as the autumn leaf.

23

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) species
- B) species;
- C) species:
- D) species,

Featuring works by the photographers Liselotte Grschebina and Else "Yva" Neuländer-Simon, the 2021 exhibition *The New Woman Behind the Camera* set out to provide a wide-ranging overview of photography by women in the 1920s through the \_\_\_\_\_ given the collection's breadth of more than 120 photos, its efforts were largely successful.

24

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 1950s, and
- B) 1950s
- C) 1950s,
- D) 1950s and

On February 1, 2018, Florida-based researchers Martha A. Scholl, Maoya Bassiouni, and Angel J. Torres-Sánchez compiled climate data from several sites in Puerto Rico's Luquillo Mountains. At CC1, the site with the highest elevation, the air temperature fluctuated slightly throughout the day, \_\_\_\_\_ 11:00 a.m. to 16.2°C at 7:00 p.m.

25

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) from, 18.4°C at
- B) from, 18.4°C at,
- C) from 18.4°C at
- D) from: 18.4°C at,

Many experts, like lawyer and cycling advocate Ernesto Hernandez-Lopez, have proposed bike travel as one possible way to alleviate congestion on the busy roadways of Los Angeles County, California. Indeed, local bicycle paths like the Harbor Park bicycle \_\_\_\_\_ have become an increasingly popular means of travel for commuter and recreational trips alike.

26

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) path, which is about 0.38 miles long
- B) path which is about 0.38 miles long
- C) path: which is about 0.38 miles long,
- D) path, which is about 0.38 miles long,

Photosynthesis, the mechanism by which plants use sunlight to turn carbon dioxide and water into \_\_\_\_\_ is fueled in part by an enzyme called Photosystem II that harvests energy-giving electrons from water molecules.

27

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) nutrients
- B) nutrients and
- C) nutrients,
- D) nutrients—

Featuring works by the photographers Niu Weiye and Rogi André, the 2021 exhibition *The New Woman Behind the Camera* set out to provide a wide-ranging overview of photography by women in the 1920s through the \_\_\_\_\_ given the collection's breadth of more than 120 photos, its efforts were largely successful.

28

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 1950s and
- B) 1950s
- C) 1950s, and
- D) 1950s,

Sei Shonagon composed many \_\_\_\_\_ "Things That Make One's Heart Beat Faster" which appears in her tenth-century account of Japanese courtly life, *Pillow Book*, she delights in sparrows feeding their young, a visitor arriving in a carriage, and rain on a window.

29

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) lists. In
- B) lists:
- C) lists;
- D) lists in



Coalition is the term for a group of male \_\_\_\_\_ across the Greater Kruger National Park of South Africa, many coalitions vie for territory. Between 2006 and 2012, the lions of the Mapogo coalition—including Pretty Boy, Kinky Tail, and Makhulu—thrived within a part of the park called the Sabi Sands.

30

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) lions
- B) lions,
- C) lions and
- D) lions, and

Within Earth's biomes, there are four main types of desert: arid, semiarid, coastal, and cold. The Puntland Desert in eastern Africa is an arid \_\_\_\_\_ it is one of the largest such deserts in the world, with a total area of about 200,000 km.

31

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) desert, for example;
- B) desert, for example,
- C) desert, for example
- D) desert, for example

While the greater adjutant can be found in places like the Central Tanintharyi Coast in Myanmar and the Prek Toal Bird Sanctuary in Cambodia, more than 80 percent of this endangered stork species is found in Assam, India. There, wildlife biologist Dr. Purnima Devi Barman is on the front lines of conservation efforts that, through community involvement and scientific \_\_\_\_\_ aim to bring adjutants back from near extinction.

32

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) study
- B) study,
- C) study:
- D) study-

Consider the mechanics of the pinhole camera: light passes through a small hole, resulting in a focused projected image. A ray diagram reveals how this \_\_\_\_\_ the hole's small size restricts light to a single ray, all light passing through the hole can only arrive at a single destination, eliminating diffraction and ensuring a clear image.

33

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) works because
- B) works. Because
- C) works, it's because
- D) works: it's because

Deposits of crushed orange limestone and other organic matter lend the sand at Porto Ferro Beach in Italy an unusual orange tint that dazzles \_\_\_\_\_ they take a bit of sand home, though, it disturbs the beach's ecosystem by contributing to erosion.

34

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) visitors, when
- B) visitors and when
- C) visitors when
- D) visitors. When

San Juan High School and Grand County High School are two of several Utah \_\_\_\_\_ enormous geoglyph of the letters SJ overlooks San Juan High, while a geoglyph of the letter G overlooks Grand County High.

35

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) schools that have their own hillside geoglyphs. An
- B) schools, that have their own hillside geoglyphs and an
- C) schools that have their own hillside geoglyphs, an
- D) schools, that have their own hillside geoglyphs, and an

What makes the theremin a unique musical instrument? You play it without touching it. When you place your \_\_\_\_\_ the pitch will shift as your hands move through the air.

36

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) hand's between the two antenna's,
- B) hands between the two antennas,
- C) hands' between the two antennas',
- D) hands' between the two antennas,

As of 2017, Italy's top tax rate of 55% was lower than the country's Laffer curve peak (70%). To some economists, whether a tax cut will ultimately increase Italy's tax revenue is dependent on the country's position on the Laffer \_\_\_\_\_ a theoretical relationship between tax rates and revenues, the curve was famously sketched on a napkin by economist Arthur Laffer in 1974.

37

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) curve
- B) curve;
- C) curve, which is
- D) curve,

For Spain, a member of the North Atlantic Treaty Organization (NATO) since 1982, NATO'S principle of collective defense confers both benefits and \_\_\_\_\_ organization's many members, nations as disparate as the US and Slovenia, are all bound to defend Spain, the reverse is also true.

38

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) obligations; the
- B) obligations. The
- C) obligations, while the
- D) obligations: while the

Along the hallowed walls of New York City's Museum of Modern Art hangs 24.5-by-34.5-inch oil \_\_\_\_\_ which was created in 1964 by American artist Vija Celmins.

39

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) painting Gun with Hand #1
- B) painting, Gun with Hand #1,
- C) painting Gun with Hand #1,
- D) painting, Gun with Hand #1

Long attributed to Jacques-Louis David, the preeminent Neoclassical painter of his day, the 1801 painting Marie Joséphine Charlotte du Val d'Ognes gained fresh attention in the 1990s when art historians discovered that the painting which depicts a solitary young woman sketching was actually the work of little-known French portrait \_\_\_\_\_ Villers (1774-1821).

40

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) artist—
- B) artist
- C) artist:
- D) artist,

In Norway, the Longyearbyen observatory site monitors activity in the upper atmosphere of the northern \_\_\_\_\_ in Australia, another observatory site, Buckland Park, monitors the sky of the southern hemisphere. Together, they are part of the Super Dual Auroral Radar Network or SuperDARN, as space physicists like Tadahiko Ogawa call it.

41

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) hemisphere and
- B) hemisphere
- C) hemisphere,
- D) hemisphere;



On March 23, 2021, a gust of wind wreaked havoc on global trade. Ever Given, an international shipping container vessel, became lodged in Egypt's Suez Canal, a major shipping route between Europe and Asia. The vessel took six days to \_\_\_\_\_ it's as heavy as two thousand blue whales when fully loaded.

42

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) dislodge in part due to its sheer size,
- B) dislodge, in part due to its sheer size:
- C) dislodge, in part due to its sheer size,
- D) dislodge, in part, due to its sheer size

While the greater adjutant can be found in places like Hakaluki Haor in Bangladesh and Northern Santuk in Cambodia, more than 80 percent of this endangered stork species is found in Assam, India. There, wildlife biologist Dr. Purnima Devi Barman is on the front lines of conservation efforts that—through community involvement and scientific \_\_\_\_\_ aims to bring adjutants back from near extinction.

43

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) study—
- B) study,
- C) study:
- D) study

Included in Every Day: Selections from the Collection, a 2019 group exhibition at the Baltimore Museum of Art in Maryland, was the work of multimedia artist Lorna Simpson. The impact of Simpson's work is \_\_\_\_\_ the horizons of conceptual photographic art, challenging conventional notions of race, gender, history, and memory, and shedding light on the experience of African American women in contemporary society.

44

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) threefold; expanding
- B) threefold expanding
- C) threefold. Expanding
- D) threefold: expanding

A harpsichord may look just like a piano, but the difference between the two instruments is easy to hear. When a harpsichord's keys are pressed, the strings inside the \_\_\_\_\_ are plucked, not struck.

45

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) instrument:
- B) instrument
- C) instrument—
- D) instrument,

What is the origin of the word "blatant"? Interestingly, \_\_\_\_\_ It first appears in the book *The Faerie Queene* by English author Edmund Spenser.

46

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) it was invented by an author?
- B) it was invented by an author.
- C) was it invented by an author.
- D) wasn't it invented by an author.

Summer is typically thought of as a sweltering season. However, the city of Ljubljana has rather cool summers. There, the average summer temperature \_\_\_\_\_ just 66.7 degrees Fahrenheit.

47

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is
- B) is;
- C) is:
- D) is,

On February 1, 2018, Florida-based researchers Martha A.Scholl, Maoya Bassiouni, and Angel J. Torres-Sánchez \_\_\_\_\_ climate data from several sites in Puerto Rico's Luquillo Mountains. At 8:30 a.m, the air temperature was 16°C at site CC1, the site with the highest elevation, and it had shifted to 16.8° C by 11:00 p.m.

48

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) compiled,
- B) compiled
- C) compiled;
- D) compiled:

Cut, bent, and welded from discarded metal materials, the sculptures of London-based Nigerian artist Sokari Douglas Camp are meant to challenge viewers to consider their own relationships to material \_\_\_\_\_ her thought-provoking works in the 1999 exhibition Sokari Douglas Camp at the Smithsonian Institution's National Museum of African Art in Washington, DC, were no different.

49

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) wastes;
- B) wastes and to
- C) wastes,
- D) wastes

The liquid compounds tetradecane (C<sub>14</sub>H<sub>30</sub>) and dodecane (C<sub>12</sub>H<sub>26</sub>) have molar masses of 198.39 and 170.33 \_\_\_\_\_ mass helps convert between the mass of the reactants and the mass of the product).

50

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) g/mol (respectively, in stoichiometry, molar
- B) g/mol, respectively, (in stoichiometry, molar
- C) g/mol. Respectively, in stoichiometry (molar
- D) g/mol, respectively (in stoichiometry, molar

Scholars Tammy Kernodle and Paul Austerlitz have lent their expertise on Black history and music to an important new project: the Timeline of African American Music, a digital \_\_\_\_\_ through a rich combination of text, images, and music clips, traces the development of specific musical genres (such as funk and swing).

51

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) resource, that
- B) resource, that,
- C) resource that,
- D) resource that

In Los Angeles County, California, bicycle paths such as the Expo Bikeway—which is about 15 miles long—have become an increasingly popular means of travel. Moreover, lawyer and cycling \_\_\_\_\_ has identified several features of the Los Angeles landscape, like its temperate climate and mostly flat roads, that make the city naturally bike-friendly.

52

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) advocate, Ernesto Hernandez-Lopez
- B) advocate, Ernesto Hernandez-Lopez,
- C) advocate Ernesto Hernandez-Lopez,
- D) advocate Ernesto Hernandez-Lopez

While other even-toed ungulate species, such as the water buffalo (*Bubalus bubalis*), are among the most populous animal species on earth, the Przewalski's gazelle (*Procapra przewalskii*) has a total population between 700 and 800 \_\_\_\_\_ one of the criteria required for a species to be considered endangered.

53

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) individuals; fulfilling
- B) individuals: fulfilling
- C) individuals. Fulfilling
- D) individuals, fulfilling



The editors of *Home Ground: A Guide to the American Landscape* turned to the \_\_\_\_\_ to craft the entry about "muskeg," a term referring to terrain containing peat bogs and stunted trees.

54

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) essayist, Carolyn Servid
- B) essayist, Carolyn Servid,
- C) essayist Carolyn Servid,
- D) essayist Carolyn Servid

Featured in *The New Woman Behind the Camera* (2021) is a photograph taken in 1932 by Alma \_\_\_\_\_ "Self-Portrait," Lavenson's image contributes to the exhibition's goal of showcasing the diverse, innovative, often aesthetically daring work of female photographers from the 1920s through the 1950s.

55

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Lavenson. Titled
- B) Lavenson titled
- C) Lavenson, titled
- D) Lavenson and titled

Photographer Mária Svarbová has reached audiences well beyond her home country of Slovakia. In 2021, her work was featured at Galerie LeRoy in \_\_\_\_\_ the exhibited photographs, with their vivid pastel colors, overexposed tones, and mirror-like symmetry, captivated audiences.

56

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Canada, for example,
- B) Canada, for example
- C) Canada; for example,
- D) Canada, for example;

In their 2019 study of butterfly diversity at Rupa Lake in Nepal, researcher Bandana Subedi and her colleagues counted 1,535 butterflies from 138 different species, including one specimen of the \_\_\_\_\_ *Doleschallia bisaltide*, a very rare butterfly known among lepidopterists as the autumn leaf.

57

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) species
- B) species;
- C) species:
- D) species,

At 3,020 years old, Patriarca da Floresta, a jequitibá-rosa (*Cariniana legalis*) located in Brazil, is one of the oldest known trees in the world. With over three millennia of climate data in its tree rings, a single tree like this, claims \_\_\_\_\_ Valerie Trouet, can tell the history of the world.

58

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) dendrochronologist,
- B) dendrochronologist—
- C) dendrochronologist:
- D) dendrochronologist

Julia Alvarez's 1994 novel *In the Time of the Butterflies*, a fictionalized account of the lives of the Mirabal \_\_\_\_\_ can serve as a starting point for those wanting to explore how the rule of dictator Rafael Trujillo has been represented in Dominican American literature.

59

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) sisters, and
- B) sisters and
- C) sisters,
- D) sisters

Scholars have praised Gwendolyn Brooks's 1945 poem "Ballad of Pearl May Lee" for its nuanced portrayal of life in Brooks's South Side Chicago neighborhood. The poem shouldn't be regarded as being simply a product of Brooks's

\_\_\_\_\_ the breadth of the poet's influences, which range from medieval English ballads to the poetry of Emily Dickinson and Langston Hughes.

60

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) surroundings, though, considering
- B) surroundings; though, considering
- C) surroundings, though. Considering
- D) surroundings, though; considering

Sociologist Alton Okinaka sits on the review board tasked with adding new sites to the Hawai'i Register of Historic Places, which includes Lo'alo'a Heiau, a Hawaiian temple built around 1730, and the Bishop National Bank of Hawaii, built in 1929. Okinaka doesn't make such decisions single-handedly, \_\_\_\_\_ historical designations must be approved by a group of nine other experts.

61

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) however. All
- B) however and all
- C) however all
- D) however, all

The Austronesian language family includes Samoan, Palauan, and some 1,200 other languages throughout the Pacific, making it one of the largest language families in the world and of keen interest to \_\_\_\_\_ of UC Santa Cruz.

62

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) linguist, Sandra Chung.
- B) linguist, Sandra Chung
- C) linguist: Sandra Chung
- D) linguist Sandra Chung

The djoser, which is written as a horizontal hieroglyph shaped like a bent arm holding a short stick, and the heqat, which is written as a hieroglyph that looks like four oval items pouring out of a barrel, were ancient Egyptian units of \_\_\_\_\_ to record length and volume, respectively, the djoser and heqat have since fallen out of use.

63

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) measurement, used
- B) measurement used
- C) measurement. Used
- D) measurement and used

An accomplished birder might be able to spot thousands of different species over the course of a career, from *Amadina erythrocephala* to *Arborophila rufogularis*, but no birder has ever achieved the ultimate \_\_\_\_\_ an in-person glimpse of all 10,000-plus species of birds.

64

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) goal catching
- B) goal. Catching
- C) goal: catching
- D) goal; catching

Today, the Michelin Guide is widely known as the arbiter of fine dining with its coveted 3-star rating being awarded to top restaurants like Kitcho Arashiyama in \_\_\_\_\_ when brothers Andre and Edouard Michelin created the guide in 1900, it was little more than a marketing gimmick — a way to increase profits for their tire company by encouraging their customers to drive across France, visiting the guide's recommended hotels and restaurants along the way.

65

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Kyoto; however,
- B) Kyoto
- C) Kyoto, however,
- D) Kyoto;

When attempting to determine a fault's seismic history, geophysicists like Dr. Estella Atekwana at the University of Delaware rely in part on data about the fault's physical dimensions and geological \_\_\_\_\_ the Imperial fault in Imperial County, California, the US Geological Survey compiles such data in several ways: by exchanging information with state geological surveys, by linking maps of the fault with sources that offer detailed descriptions of it, and by maintaining a database of quantitative data such as the fault's length (46 km).

66

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) features for
- B) features, for
- C) features. For
- D) features and for

For Canada, a member of the North Atlantic Treaty Organization (NATO) since 1949, NATO's principle of collective defense confers both benefits and \_\_\_\_\_ organization's many members, nations as disparate as the US and Slovenia, are all bound to defend Canada, the reverse is also true.

67

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) obligations: while the
- B) obligations; the
- C) obligations, while the
- D) obligations. The

In Puerto Rico, it's not unusual for a city or town to be known by a nickname that corresponds to one of its notable features, like landscape, climate, famous residents, or chief exports. For example, the Puerto Rican municipality of Florida has also been called "the Town of Cayenalisa Pineapple," a nickname that alludes to what the area is well \_\_\_\_\_ the pineapple, one of its most popular exports.

68

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) known: for
- B) known for:
- C) known for,
- D) known for;



Minerals can be classified by how much light passes through them. For example, all (or almost all) light passes through zircon, which is classified as \_\_\_\_\_ only some light to pass through, amethyst is instead classified as translucent.

69

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) transparent, allowing
- B) transparent allowing
- C) transparent. Allowing
- D) transparent and allowing

The relationship between genomes and epigenomes reveals how cells with identical DNA develop different \_\_\_\_\_ whereas the genome in each cell contains a complete DNA sequence, the epigenome consists of chemical compounds that determine which traits in the sequence will be expressed.

70

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) functions:
- B) functions and,
- C) functions
- D) functions,

That the geographic center of North America lay in the state of North Dakota was conceded by all \_\_\_\_\_ establishing its precise coordinates proved more divisive.

71

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) involved,
- B) involved;
- C) involved:
- D) involved

In 2013, veteran actor Keith David voiced the character Frog King in the film The Frog Kingdom. Throughout his career, David has acted in \_\_\_\_\_ and more. However, he gets the most recognition for his voice acting.

72

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) movies; commercials; Broadway musicals;
- B) movies commercials Broadway musicals
- C) movies, commercials Broadway musicals,
- D) movies, commercials, Broadway musicals,

Where \_\_\_\_\_ Interestingly, it was invented by an author. It first appears in the novel Christine by American author Stephen King.

73

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) the word "pie-hole" come from.
- B) the word "pie-hole" did come from?
- C) did the word "pie-hole" come from?
- D) did the word "pie-hole" come from.

To illustrate Albert Einstein's special theory of relativity, picture two jugglers: one juggling on a steadily moving parade float, the other juggling while standing still on a sidewalk. The laws of physics are identical for both \_\_\_\_\_ motion relative to each other. But what, Einstein wondered, about the speed of light?

74

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) jugglers, regardless of their
- B) jugglers, regardless of there
- C) juggler's, regardless of their
- D) jugglers', regardless of they're

Azulejos, mosaics made of glazed ceramic tiles, can be found throughout Portugal. These mosaics beautify places such as \_\_\_\_\_ stations, and public squares.

75

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) libraries train
- B) libraries, train
- C) libraries-train
- D) libraries: train

On February 1, 2018, Florida-based researchers Martha A. Scholl, Maoya Bassiouni, and Angel Torres-Sánchez \_\_\_\_\_ climate data from several sites in Puerto Rico's Luquillo Mountains. At 12:00 a.m., the air temperature was 15.6°C at site CC1, the site with the highest elevation, and it had shifted to 16.2°C by 6:00 p.m.

76

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) compiled;
- B) compiled:
- C) compiled
- D) compiled,

Writer Silvia Moreno-Garcia's love of short fiction began when she read a collection of Edgar Allan Poe stories as a child, and she would develop into a prolific short story writer herself publishing pieces like "Return" (2008) and "Water" (2007). Yet she's become, with the breakout success of her 2020 novel Mexican \_\_\_\_\_ best known as a novelist.

77

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Gothic—
- B) Gothic
- C) Gothic,
- D) Gothic:

Featuring works by the photographers Dora Maar and Rogi André, the 2021 exhibition *The New Woman Behind the Camera* set out to provide a wide-ranging overview of photography by women in the 1920s through the \_\_\_\_\_ given the collection's breadth of more than 120 photos, its efforts were largely successful.

78

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 1950s
- B) 1950s and
- C) 1950s, and
- D) 1950s,

Along the hallowed walls of New York City's Museum of Modern Art hangs 36.5-by-28.5-inch oil \_\_\_\_\_ which was created in 1944 by American artist Enrico Donati.

79

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) painting, St. Elmo's Fire,
- B) painting St. Elmo's Fire,
- C) painting St. Elmo's Fire
- D) painting, St. Elmo's Fire

The Limón technique, developed by Mexican-born dancer and choreographer Jose Limón, is known for its emphasis on breath control and its interplay of weight and \_\_\_\_\_ dancers may explore, for example, the moment of mid-air suspension at the top of a jump.

80

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) weightlessness,
- B) weightlessness;
- C) weightlessness
- D) weightlessness which

Chondrites are stony meteorites that are undifferentiated — that is, their contents have not melted and separated into distinct layers. They are hardly \_\_\_\_\_ many chondrites experience aqueous alteration as a result of exposure to fluids, as well as fracturing, veining, and localized melting due to collisions with other objects.

81

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) pristine, though;
- B) pristine; though
- C) pristine, though
- D) pristine, though,

Named for the year in which it was detected by American astronomers, SN 2020fqv was a supernova (the explosion of a massive \_\_\_\_\_ in the constellation Virgo, 60 million light-years from Earth, the transient yet powerful blast propelled particles and debris into space at extremely high speeds.

82

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) star) and occurring
- B) star). Occurring
- C) star) occurring
- D) star), occurring

Over the years, dozens of architectural and archaeological sites important to Hawaiian history and culture, such as the Haena Archeological Complex and the Bank of Hawaii-Haiku Branch, have been added to the Hawai'i Register of Historic Places, and each year, a review board of experts that includes sociologist Alton Okinaka and architect Katie Stephens gathers to \_\_\_\_\_ which sites to add next to the growing registry.

83

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) select:
- B) select;
- C) select,
- D) select



Not all plants benefit equally or from the same kind of \_\_\_\_\_ cucumber and marigold, for example, benefit from endomycorrhizal associations; many tree species, such as pine and oak, benefit from ectomycorrhizal associations; and plants in the Brassica family, such as rutabaga, don't benefit from mycorrhizae at all.

84

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) mycorrhizae;
- B) mycorrhizae,
- C) mycorrhizae
- D) mycorrhizae:

A lady-in-waiting's account of Japanese courtly life in the tenth century, Sei Shonagon's Pillow Book is filled with daily observations and musings. Some of these appear as \_\_\_\_\_ "Things That Arouse a Fond Memory of the Past," Shōnagon catalogs her appreciation for pressed silk, a moonlit night, and dried hollyhock.

85

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) lists: in
- B) lists in
- C) lists in:
- D) lists, in

In his work, acclaimed Cahuilla \_\_\_\_\_ Gerald Clarke uses basketry, acrylic paintings, and other mediums to explore Native perspectives on truth and beauty

86

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) artist, and 2007 Eiteljorg Fellowship recipient
- B) artist and 2007 Eiteljorg Fellowship recipient
- C) artist and 2007 Eiteljorg Fellowship recipient-
- D) artist and 2007 Eiteljorg Fellowship recipient,

Within Earth's biomes, there are four main types of desert: arid, semiarid, coastal, and cold. The roughly \_\_\_\_\_ is classified as an arid desert.

87

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 2,330,000 km<sup>2</sup>, Arabian Desert,
- B) 2,330,000 km<sup>2</sup>, Arabian Desert
- C) 2,330,000 km<sup>2</sup> Arabian Desert,
- D) 2,330,000 km<sup>2</sup> Arabian Desert

Included in *We Wanted a Revolution!*, a 2018 group exhibition at the Albright-Knox Art Gallery in Buffalo, New York, was the work of multimedia artist Lorna Simpson. The impact of Simpson's work is \_\_\_\_\_ the horizons of conceptual photographic art, challenging conventional notions of race, gender, history, and memory, and shedding light on the experience of African American women in contemporary society.

88

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) threefold; expanding
- B) threefold expanding
- C) threefold. Expanding
- D) threefold: expanding

Today, the Michelin Guide is widely known as the arbiter of fine dining, but when it was created in 1900, it was little more than a marketing gimmick; brothers Andre and Edouard Michelin sought to increase profits for their tire company by encouraging their customers to drive across France, visiting the guide's recommended hotels and restaurants along the way. Nevertheless, the guide soon grew in scope and \_\_\_\_\_ its modest French eateries were replaced with some of the most esteemed restaurants from around the world, including Quintessence in Tokyo and Gaon in Seoul.

89

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) influence,
- B) influence and
- C) influence, and
- D) influence

In their 2022 study of Indo-Pacific bottlenose dolphins (*Tursiops aduncus*), \_\_\_\_\_ found that the dolphins' tendency to rub their heads against corals with antimicrobial properties may confer health benefits.

90

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) German biologist, Gertrud Morlock, and colleagues,
- B) German biologist Gertrud Morlock, and colleagues
- C) German biologist, Gertrud Morlock, and colleagues
- D) German biologist Gertrud Morlock and colleagues

From 2009 to 2019, travelers flew out of major urban airports with increasing \_\_\_\_\_ Washington Dulles International Airport in Washington, DC, saw a 6.9 percent increase in airline passengers, from 11,122,438 total passengers in 2009 to 11,892,778 in 2019.

91

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) frequency, for example,
- B) frequency, for example;
- C) frequency, for example.
- D) frequency. For example,

In a 2023 study, researchers documented a fascinating behavior in the aquatic plant *Elodea densa*. When exposed to low levels of light, the plant's \_\_\_\_\_ the cellular organs that generate energy from light—reshuffled to form a tightly packed, glass-like surface ideal for collecting more light.

92

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) chloroplasts,
- B) chloroplasts—
- C) chloroplasts
- D) chloroplasts;

By analyzing the level of radioactive decay within a fossil specimen, scientists can establish the age of that fossil with a high degree of precision. When radioactive elements aren't present, scientists turn to \_\_\_\_\_ analysis of Earth's sediment layers (strata)—to estimate how old a fossil is based on the age of the strata in which the fossil is found.

93

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) stratigraphy—the
- B) stratigraphy, the
- C) stratigraphy: the
- D) stratigraphy (the

Many of the cities and \_\_\_\_\_ are known by nicknames that correspond to one of their notable features, like landscape, climate, famous residents, or chief exports. For example, the Puerto Rican municipality of Hatillo has also been called "the Blue Coast of Puerto Rico," a nickname that alludes to what the area is well known for: the pristine blue ocean that surrounds it.

94

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) towns, that dot the island of Puerto Rico,
- B) towns that dot the island of Puerto Rico
- C) towns that dot the island of Puerto Rico,
- D) towns, that dot the island of Puerto Rico

In Antarctica, the Syowa East observatory site monitors activity in the upper atmosphere of the southern \_\_\_\_\_ in Finland, another observatory site, Hankasalmi, monitors the sky of the northern hemisphere. Together, they are part of the Super Dual Auroral Radar Network — or SuperDARN, as space physicists like Mark Lester call it.

95

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) hemisphere,
- B) hemisphere;
- C) hemisphere and
- D) hemisphere

Butterfly is a 1988 painting by the Japanese artist Ay-O. Like many of Ay-O's paintings, Butterfly, which portrays a swimmer performing the butterfly stroke, attempts to make use of the entire visual light \_\_\_\_\_ sporting rainbow-striped goggles, the rainbow-hued swimmer splashes through a wavy rainbow of water.

96

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) spectrum while
- B) spectrum, while
- C) spectrum:
- D) spectrum

The 20th century saw the founding of many Latino advocacy \_\_\_\_\_ to protect and advance the rights of Latino Americans, both the Orden Hijos de América (1921) and the Partido Nacional de La Raza Unida (1970) contributed to the history of US civil rights.

97

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) groups and established
- B) groups established
- C) groups, established
- D) groups. Established

The Organisation for Economic Co-operation and Development (OECD) tracks comparative price list data for its thirty-eight member countries. For instance, in July 2021, a hypothetical basket of goods priced at 100 US dollars (USD) in the United States would have cost 54 USD and 110 USD in fellow OECD \_\_\_\_\_ and Luxembourg, respectively.

98

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) nations; Hungary
- B) nations: Hungary
- C) nations Hungary
- D) nations, Hungary



When Belgium joined Interpol—the International Criminal Police \_\_\_\_\_ in 1923, the Belgian Federal Police gained access to the combined resources of law enforcement agencies from around the globe.

99

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Organization—
- B) Organization,
- C) Organization
- D) Organization:

The mycorrhizal association between alder trees and *Paxillus panuoides*, a fungus commonly referred to as oyster roll-rim, is well \_\_\_\_\_ sharing nutrients via fungal hyphae and the host tree's roots, the organisms form a kind of social system more commonly associated with animals than plants: a community.

100

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) documented
- B) documented:
- C) documented—
- D) documented,

Many experts, like lawyer and cycling advocate Ernesto Hernandez-Lopez, have proposed bike travel as one possible way to alleviate congestion on the busy roadways of Los Angeles County, California. Indeed, local bicycle paths like the San Francisquito \_\_\_\_\_ have become an increasingly popular means of travel for commuter and recreational trips alike.

101

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Trail which is 4.36 miles long—
- B) Trail: which is 4.36 miles long,
- C) Trail, which is 4.36 miles long
- D) Trail, which is 4.36 miles long,

Over the years, dozens of architectural and archaeological sites important to Hawaiian history and culture, such as the Wailua Complex of Heiaus and Menehune Fishpond, have been added to the Hawai'i Register of Historic Places, and each year, a review board of experts that includes sociologist Alton Okinaka and architect Katie Stephens gathers to \_\_\_\_\_ which sites to add next to the growing registry.

102

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) select;
- B) select:
- C) select,
- D) select

Among the small magazines animating Boston's vibrant literary scene in the early twentieth century was \_\_\_\_\_ by William Stanley Braithwaite and featuring poetry by John Gould Fletcher, Louis Untermeyer, and Richard Aldington; essays by Amy Lowell and Jeanette Marks; and reviews of recent books, this magazine publicized the work of influential avant-garde writers and artists of the day.

103

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) the Poetry Review of America. Edited
- B) the Poetry Review of America: edited
- C) the Poetry Review of America, edited
- D) the Poetry Review of America edited

While the greater adjutant can be found in places like the Koshi Tappu Wildlife Reserve in Nepal and Chhnuk Tru in Cambodia, more than 80 percent of this endangered stork species is found in Assam, India. There, wildlife biologist Dr. Purnima Devi Barman is on the front lines of conservation efforts \_\_\_\_\_ through community involvement and scientific study, aims to bring adjutants back from near extinction.

104

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) that—
- B) that;
- C) that:
- D) that,

At 4,000 years old, the Ancient Yew, a common yew (*Taxus baccata*) located in the United Kingdom, is one of the oldest known trees in the world. With four millennia of climate data in its tree rings, a single tree like this, claims

\_\_\_\_\_ Valerie Trouet, can tell the history of the world.

105

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) dendrochronologist:
- B) dendrochronologist,
- C) dendrochronologist—
- D) dendrochronologist

The 20th century saw the founding of many Latino advocacy \_\_\_\_\_ to protect and advance the rights of Latino Americans, both the American GI Forum (1948) and the Mexican American Legal Defense and Education Fund (1968) contributed to the history of US civil rights.

106

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) groups. Established
- B) groups and established
- C) groups established
- D) groups, established

In Finland, the Hankasalmi observatory site monitors activity in the upper atmosphere of the northern \_\_\_\_\_ in Antarctica, another observatory site, Zhongshan Station, monitors the sky of the southern hemisphere. Together, they are part of the Super Dual Auroral Radar Network—or SuperDARN, as space physicists like Kathryn McWilliams call it.

107

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) hemisphere and
- B) hemisphere
- C) hemisphere,
- D) hemisphere;

In 1989, Missouri \_\_\_\_\_ official fossil: the *Eperisocrinus missouriensis*, which is a Carboniferous period marine animal.

108

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) lawmaker's designated the states
- B) lawmakers designated the state's
- C) lawmaker's designated the state's
- D) lawmakers designated the states

Released in 1993, the Intel Pentium microchip contained a single CPU, or core, to execute commands. Since then, the average processing power of microchips has increased so drastically—cores now number in the dozens, hundreds, or even \_\_\_\_\_ the once-revolutionary dual-core technology that replaced the single-core chip can be found in everyday items like toasters and toothbrushes.

109

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) thousands—that
- B) thousands that—
- C) thousands. That
- D) thousands, that

When Anglo and African Americans moved West in the nineteenth century to begin cattle ranching, they learned the trade from Spanish-speaking Mexican *vaqueros* (cowboys). This is why many ranching terms come from \_\_\_\_\_ English word "lasso" (a rope) comes from the Spanish word *lazo*, and "cinch" (a belt) comes from *cincho*.

110

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Spanish. The
- B) Spanish (the
- C) Spanish the
- D) Spanish? The

Nebraska governor \_\_\_\_\_ the first woman to serve in that role in the state's history—took office on January 9, 1987.

111

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Kay A. Orr—
- B) Kay A. Orr,
- C) Kay A. Orr
- D) Kay A. Orr:

Sociologist Todd Gitlin co-opted the term “recombinant,” normally used in reference to genetic engineering, to describe serialized television shows of the 1980s. Gitlin’s use of the term referenced TV studios’ practice of repackaging successful narrative formulas as new \_\_\_\_\_ even shows that varied only slightly from other shows still attracted sizeable audiences.

112

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) content, in that era,
- B) content in that era,
- C) content, in that era
- D) content; in that era,

Kati Horna’s 1938 photograph "Stairway to the Cathedral" is collected in the 2021 exhibition The New Woman Behind the \_\_\_\_\_ works by artists from over twenty countries, the exhibition showcases the diverse, innovative, often aesthetically daring work of female photographers from the 1920s through the 1950s.

113

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Camera, featuring
- B) Camera. Featuring
- C) Camera featuring
- D) Camera and featuring

Integrating insights from economics and psychology, researchers in the field of behavioral economics explore a variety of topics. Olga Shurchkov of Wellesley College studies worker \_\_\_\_\_ other researchers investigate areas such as market behavior and consumer behavior.

114

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) productivity for instance;
- B) productivity, for instance;
- C) productivity; for instance,
- D) productivity, for instance,

Jeffery Renard Allen's short essay on 'backwall,' a word referring to the cliff at the head of a glacier-carved valley, is included in the collection *Home Ground: A Guide to the American Landscape*. The book wasn't written solely by \_\_\_\_\_ other authors, such as Carolyn Servid and Barry Lopez, also contributed essays.

115

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Allen; however,
- B) Allen, however;
- C) Allen. However,
- D) Allen, however,

Churchrock Chapter, which covers 58,000 acres, is one of the 110 chapters of the Navajo \_\_\_\_\_ Diné bizaad (the Navajo language), the chapter is called Kin Łitsoh Sínilí.

116

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Nation, in
- B) Nation. In
- C) Nation in
- D) Nation and in



The 1970 founding of the Partido Nacional de La Raza Unida and the 1946 Mendez v. Westminster court decision are important events in US civil rights \_\_\_\_\_ former establishing a Latino rights advocacy group and the latter legally affirming the rights of Latino students.

117

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) history the
- B) history. The
- C) history, the
- D) history, and the

Writer Silvia Moreno-Garcia's love of short fiction began when she read a collection of Edgar Allan Poe stories as a child, and she would develop into a prolific short story writer herself, publishing pieces like "The Axolotl" (2013) and "Maquetch" (2008). Yet she's best known as a novelist, in part due to her \_\_\_\_\_ Gothic (2020), earning a spot on the New York Times Best Sellers list.

118

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) novel Mexican
- B) novel (Mexican
- C) novel, Mexican
- D) novel: Mexican

The Organisation for Economic Co-operation and Development (OECD) tracks comparative price list data for its thirty-eight member countries. For instance, in July 2021, a hypothetical basket of goods priced at 100 US dollars (USD) in the United States would have cost 54 USD and 112 USD in fellow OECD \_\_\_\_\_ and Ireland, respectively.

119

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) nations, Hungary
- B) nations: Hungary
- C) nations; Hungary
- D) nations Hungary

After finding information about Benjamin Sterling Turner, who represented Alabama in the United States House of Representatives, the student discovered biographical sketches of two other Black Americans who served in \_\_\_\_\_ Robert Brown Elliott of South Carolina and Ronald V. Dellums of California.

120

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Congress
- B) Congress,
- C) Congress;
- D) Congress:

Joy Williams's essay on "cenote," a term referring to a deep sinkhole containing a pool of water, is just one of many essays included in *Home Ground: A Guide to the American \_\_\_\_\_* by Barry Lopez and Debra Gwartney, the book celebrates the rich language used to describe the landscape of North America.

121

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Landscape, edited
- B) Landscape edited
- C) Landscape. Edited
- D) Landscape and edited

During the decades-long movement to codify the rights of Latinos in the US, certain events were pivotal: the founding of labor rights group El Teatro Campesino in \_\_\_\_\_ Serna v. Portales Schools court decision in 1974, which affirmed the rights of Latino students, is another such event.

122

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 1965, for one, the
- B) 1965, for one. The
- C) 1965 for one, the
- D) 1965. For one, the

A lady-in-waiting's account of Japanese courtly life in the tenth century, Sei Shōnagon's *Pillow Book* is filled with daily observations and musings. Some of these appear as \_\_\_\_\_ "Splendid Things." Shōnagon catalogs her appreciation for a snow-covered garden, Chinese brocade fabric, and grape-colored fabric.

123

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) lists in
- B) lists, in
- C) lists in:
- D) lists: in

While the greater adjutant can be found in places like the Inner Gulf of Thailand and the Chhep Wildlife Sanctuary in Cambodia, more than 80 percent of this endangered stork species is found in Assam, India. There, wildlife biologist Dr. Purnima Devi Barman is on the front lines of conservation efforts that—through community involvement and scientific \_\_\_\_\_ aim to bring adjutants back from near extinction.

124

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) study,
- B) study—
- C) study:
- D) study

The human shoulder contains the infraspinatus, a skeletal muscle that is attached to the \_\_\_\_\_ this muscle plays a role in rotating the upper arm.

125

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) scapula,
- B) scapula;
- C) scapula
- D) scapula that

Despite the fact that what is now known as the Carmichael number was first posited by Václav Šimerka, the number is named after the twentieth-century American mathematician Robert Carmichael. One might assume cases like this, where a discovery or concept is not named after the first person who discovered it, to be \_\_\_\_\_ they are counted among a litany of examples of Stigler's law.

126

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) rare on the contrary,
- B) rare, on the contrary;
- C) rare, on the contrary,
- D) rare; on the contrary,

Included in Reclamation! Pan-African Works from the Beth Rudin DeWoody Collection, a 2018 group exhibition at the Taubman Museum of Art in Roanoke, Virginia, was the work of artist Lorna Simpson, who is best known for her multimedia artworks that juxtapose images of African American women with text fragments. Her work challenges conventional notions of race, gender, history, and \_\_\_\_\_ she is credited with expanding the horizons of conceptual photographic art.

127

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) memory,
- B) memory, and
- C) memory and
- D) memory

Nadifa Mohamed is a novelist from Hargeisa, Somalia, who has earned international acclaim in recent years. Writers of other literary forms, such as poetry and drama, are less likely to be recognized beyond their nations' borders, but many are still well \_\_\_\_\_ Koulsy Lamko, for example, is a celebrated playwright from Chad.

128

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) known
- B) known:
- C) known and
- D) known,

Recent analysis of 2010 BL4—an outer solar system object orbiting the Sun between Jupiter and Neptune—has determined its color to be gray, suggesting an icy composition. Such interpretations are ultimately \_\_\_\_\_ the object's gray coloration may be an incidental effect of radiation, solar wind, or collisions with other objects rather than evidence of its physical makeup.

129

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) speculative, though
- B) speculative, though,
- C) speculative; though
- D) speculative, though;

The Austronesian language family comprises some 1,200 languages—including the \_\_\_\_\_ Javanese and Bikol, which are spoken by 100 million and 2.6 million speakers, respectively—and accounts for one-fifth of the world's languages, making it of keen interest to linguists like Li Jen-kuei.

130

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) languages
- B) languages:
- C) languages—
- D) languages,

Charline Effah is a novelist from Minvoul, Gabon, who has earned international acclaim in recent years. Writers of other literary forms, such as poetry and drama, are less likely to be recognized beyond their nations' borders, but many are still well \_\_\_\_\_ Malika Ouattara, for example, is a celebrated slam poet from Burkina Faso.

131

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) known
- B) known,
- C) known:
- D) known and

When Fiji joined Interpol—the International Criminal Police \_\_\_\_\_ in 1971, the Fiji National Police Intelligence Bureau gained access to the combined resources of law enforcement agencies from around the globe.

132

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Organization,
- B) Organization—
- C) Organization
- D) Organization:

The length of bird eggs varies widely across species, and an ecological \_\_\_\_\_ compared the lengths of eggs produced by different bird species found *Milvus migrans* eggs to be longer, on average, than *Gallinula chloropus* eggs.

133

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) study, that
- B) study, which
- C) study
- D) study that

The Suzuki method is an approach to music instruction \_\_\_\_\_ to teach music in the same natural way children learn language, emphasizes retaining and reviewing previously learned pieces of music. In Suzuki piano instruction, students begin their musical education with simple folk songs like “The Honeybee.”

134

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) that, is aiming
- B) that, aiming
- C) that aims
- D) that has aimed



The Organisation for Economic Co-operation and Development (OECD) tracks comparative price list data for its thirty-eight member countries. According to this data, in July 2021, a “basket” of goods and services priced at 100 US dollars (USD) in the United States would have cost 80 USD in fellow OECD member \_\_\_\_\_

135

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) nation Spain.
- B) nation, Spain.
- C) nation—Spain.
- D) nation: Spain.

Two of the most celebrated examples of visual allegory in painting, *The Four Elements: Air* by Joachim Beuckelaer and *Ceres (Summer)* by Antoine Watteau, were completed in 1570 and \_\_\_\_\_ such allegorical artwork was particularly popular from the 15th through the late 18th centuries.

136

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 1712, respectively;
- B) 1712, respectively,
- C) 1712 respectively,
- D) 1712; respectively,

Fatoumata Keïta is a novelist from Bamako, Mali, who has earned international acclaim in recent years. Writers of other literary forms, such as poetry and drama, are less likely to be recognized beyond their nations’ borders, but many are still well \_\_\_\_\_ Fama Diagne Sène, for example, is a celebrated playwright from Senegal.

137

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) known:
- B) known and
- C) known,
- D) known

When Fiji joined Interpol—the International Criminal Police \_\_\_\_\_ in 1971, the Fiji National Police Intelligence Bureau gained access to the combined resources of law enforcement agencies from around the globe.

138

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Organization—
- B) Organization:
- C) Organization
- D) Organization,

The Organisation for Economic Co-operation and Development (OECD) tracks comparative price list data for its thirty-eight member countries. According to this data, in July 2021, a "basket" of goods and services priced at 100 US dollars (USD) in the United States would have cost 55 USD in fellow OECD member \_\_\_\_\_

139

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) nation: Costa Rica.
- B) nation—Costa Rica.
- C) nation Costa Rica.
- D) nation, Costa Rica.

On February 1, 2018, a Florida-based research team—Martha A. Scholl, Maoya Bassiouni, and Angel J. Torres-Sánchez—compiled climate data from several sites in Puerto Rico’s Luquillo Mountains. At 8:30 a.m., the air temperature was 16°C at site CC1, the site with the highest \_\_\_\_\_ it had shifted to 16.8°C by 11:00 p.m.

140

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) elevation and
- B) elevation
- C) elevation,
- D) elevation, and

Two of the most celebrated examples of visual allegory in painting, *The Four Elements: Air* by Joachim Beuckelaer and *Ceres (Summer)* by Antoine Watteau, were completed in 1570 and \_\_\_\_\_ such allegorical artwork was particularly popular from the 15th through the late 18th centuries.

141

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 1712 respectively,
- B) 1712, respectively;
- C) 1712, respectively,
- D) 1712; respectively,

When Malaysia joined Interpol—the International Criminal Police \_\_\_\_\_ in 1961, the Royal Malaysian Police gained access to the combined resources of law enforcement agencies from around the globe.

142

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Organization—
- B) Organization:
- C) Organization,
- D) Organization

The length of bird eggs varies widely across species, and an ecological \_\_\_\_\_ compared the lengths of eggs produced by different bird species found *Calidris alpina* eggs to be longer, on average, than *Oriolus xanthornus* eggs.

143

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) study that
- B) study
- C) study, which
- D) study, that

The Suzuki method is an approach to music instruction \_\_\_\_\_ to teach music in the same natural way children learn language, emphasizes immersion in a musical community. In Suzuki violin instruction, students begin their musical education with simple classical pieces like Johann Sebastian Bach's "Minuet No. 2."

144

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) that, is aiming
- B) that, aiming
- C) that aims
- D) that has aimed

The Organisation for Economic Co-operation and Development (OECD) tracks comparative price list data for its thirty-eight member countries. According to this data, in July 2021, a "basket" of goods and services priced at 100 US dollars (USD) in the United States would have cost 113 USD in fellow OECD member \_\_\_\_\_

145

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) nation Australia.
- B) nation: Australia.
- C) nation—Australia.
- D) nation, Australia.

Inspired by her Ottawa/Pottawotami/Ojibwe heritage, artist Kelly Church typically uses black ash—a durable and flexible \_\_\_\_\_craft baskets that are both beautiful and whimsical.

146

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) material: to
- B) material; to
- C) material—to
- D) material. To

New Mexican governor \_\_\_\_\_ the first woman to serve in that role in the state's history—took office on January 1, 2011.

147

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Susana Martinez,
- B) Susana Martinez:
- C) Susana Martinez
- D) Susana Martinez—

Featured among the more than 120 photographs in 2021 exhibition The New Woman Behind the Camera, Lola Alvarez Bravo's \_\_\_\_\_ "The Freeloaders" offers a glimpse back in time to 1955.

148

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) photograph,
- B) photograph
- C) photograph;
- D) photograph:

Since 1948, Us News an & World Report has been publishing data-driven reports on various aspects of culture and society, including an annual ranking of the best jobs in US. In 2021, the publication determined that statistics had the sixth best job in US. A calculation arrived at by considering such \_\_\_\_\_ median salary and work-life balance.

149

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) metrics as the profession's
- B) metric as the profession's
- C) metrics as the professions'
- D) metric as the professions

In his *Naturalis historia*, Pliny the Elder praised Hipparchus's star catalog, a second-century BCE list of roughly 850 different stars' celestial positions. For centuries, scholars dreamed about locating a copy of this legendary lost\_\_\_\_\_ fantasy (partially) became reality in 2022, when researchers uncovered the traces of the star catalog on a palimpsest, a reused parchment.

150

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) work, that
- B) work and that
- C) work that
- D) work. That

The editors of *Home Ground: A Guide to the American Landscape* turned to the \_\_\_\_\_ to craft the entry about "hueco," a term referring to a water-retaining depression in a rock face.

151

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) novelist Stephen Graham Jones,
- B) novelist Stephen Graham Jones
- C) novelist, Stephen Graham Jones,
- D) novelist, Stephen Graham Jones

The Organisation for Economic Co-operation and Development (OECD) tracks comparative price list data for its thirty eight member countries. According to this data, in July 2021, a "basket" of goods and services priced at 100 US dollars (USD) in the United States would have cost 195 USD in fellow OECD member\_\_\_\_\_

152

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) nation—Finland.
- B) nation: Finland.
- C) nation, Finland.
- D) nation Finland.



In Los Angeles County, California, bicycle paths like the Rio Hondo bicycle path—which is about 15.6 miles long—have become an increasingly popular means of travel for commuter and recreational trips alike. Moreover, Ernesto \_\_\_\_\_ has identified bike travel as one possible way to alleviate vehicle congestion, citing the bike friendliness of the area’s temperate climate and mostly flat roads.

153

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Hernandez-Lopez a lawyer and cycling advocate
- B) Hernandez-Lopez, a lawyer and a cycling advocate,
- C) Hernandez-Lopez a lawyer and cycling advocate,
- D) Hernandez-Lopez, a lawyer and cycling advocate

Bear River High School and Bryce Valley High School are two of several Utah \_\_\_\_\_ enormous geoglyph of the letters BR overhears River High, while a geoglyph of the letters BV overlooks Bryce Valley High.

154

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) schools, that have their own hillside geoglyphs, and an
- B) schools that have their own hillside geoglyphs. An
- C) schools, that have their own hillside geoglyphs and an
- D) schools that have their own hillside geoglyphs, an

With one in Finland and another in Australia, the observatory sites that form the Super Dual Auroral Radar Network—or SuperDARN, as space physicists like Mark Lester call it—number nearly five \_\_\_\_\_ across the globe, the radars track ionospheric irregularities and other geospace phenomena.

155

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) dozen. Located
- B) dozen, located
- C) dozen, which are located
- D) dozen located

On March 6, 2002, Canadian astronomers detected a striking and unusual phenomenon occurring in the constellation Lepus, 160 million light-years from \_\_\_\_\_ explosion of a massive star, also known as a supernova, an extremely bright yet transient event that typically results from the collapse of a star's core.

156

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Earth. The
- B) Earth, it was the
- C) Earth: the
- D) Earth; the

Between December 28 and January 12 each year, particles shed by comet (196256) 2003 EH1 enter Earth's atmosphere at a velocity of 41 kilometers per second. Relatively few of these particles are likely to reach Earth's \_\_\_\_\_ since the meteoroids' compression of the air surrounding them causes the vast majority to burn mesosphere, producing the Quadrantid meteor shower.

157

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) surface; however,
- B) surface, however,
- C) surface. However,
- D) surface, however;

In a chemical reaction, the value known as molar mass helps convert between the mass of the reactants and the mass of the product. The gaseous \_\_\_\_\_ have molar masses of 150.21 and 16.04 g/mol, respectively.

158

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) compounds, thymol and methane
- B) compounds, thymol and methane,
- C) compounds thymol and methane
- D) compounds thymol and methane,

The pedagogy of the Suzuki method is rooted in several central \_\_\_\_\_ by Japanese violinist Shinichi Suzuki, who sought to parallel the linguistic learning environment, the method emphasizes learning from skilled musicians who are also skilled teachers and teaches students as young as three to play simple classical pieces such as "The Two Grenadiers

159

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) tenets developed
- B) tenets, developed
- C) tenets. Developed
- D) tenets that, developed

Researchers studying how agricultural fertilizers impact grassland arthropod populations have employed several collection methods. A team led by researcher L. Brian Patrick collected arthropods with \_\_\_\_\_ another research team, led by Kimberly J. La Pierre, gathered them with bug vacuums.

160

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) pitfall traps for instance
- B) pitfall traps, for instance;
- C) pitfall traps; for instance,
- D) pitfall traps, for instance,

On most of the world's beaches, sand is a predictable cream or beige color. The sand at Les Sables Roses Beach in French Polynesia is a strikingly different\_\_\_\_\_ sand gets its shade from deposits of gray- and tan-hued quartz and feldspar, deposits of crushed coral and other organic matter lend the sand at Les Sables Roses Beach a colorful pink tint.

161

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) shade, though. Most
- B) shade, though most
- C) shade: though most
- D) shade, though, most

Technologies such as microphones and inkjet printers are made using piezoelectric materials, which generate an internal electric field when pressure is applied to them. The toxic nature of some of these materials recently led a team from the University of Sheffield to investigate how \_\_\_\_\_

162

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) could their use be better regulated?
- B) their use could be better regulated.
- C) their use could be better regulated?
- D) could their use be better regulated.

While the greater adjutant can be found in places like Hakaluki Haor in Bangladesh and Northern Santuk in Cambodia, more than 80 percent of this endangered stork species is found in Assam, India. There, wildlife biologist Dr. Purnima Devi Barman is on the front lines of conservation efforts that—through community involvement and scientific \_\_\_\_\_ aim to bring adjutants back from near extinction.

163

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) study—
- B) study,
- C) study:
- D) study

On March 23, 2021, a gust of wind wreaked havoc on global trade. Ever Given, an international shipping container vessel, became lodged in Egypt's Suez Canal, a major shipping route between Europe and Asia. The vessel took six days to \_\_\_\_\_ it's as heavy as two thousand blue whales when fully loaded.

164

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) dislodge in part due to its sheer size,
- B) dislodge, in part due to its sheer size:
- C) dislodge, in part due to its sheer size,
- D) dislodge, in part, due to its sheer size

On February 1, 2018, Florida-based researchers Martha A.Scholl, Maoya Bassiouni, and Angel J. Torres-Sánchez \_\_\_\_\_ climate data from several sites in Puerto Rico's Luquillo Mountains. At 8:30 a.m, the air temperature was 16°C at site CC1, the site with the highest elevation, and it had shifted to 16.8° C by 11:00p.m.

165

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) compiled,
- B) compiled
- C) compiled;
- D) compiled:

The programming languages COBOL, developed by Grace Hopper in \_\_\_\_\_ developed by Rich Hickey in 2007, are all routinely translated into executable code by tools known as compilers.

166

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 1959, Java developed by James Gosling in 1995; and Clojure
- B) 1959, Java; developed by James Gosling in 1995; and Clojure,
- C) 1959; Java, developed by James Gosling in 1995, and Clojure,
- D) 1959; Java, developed by James Gosling in 1995; and Clojure,

Most sand is beige because of deposits of gray- and tan-hued minerals, such as quartz and feldspar. The sand at Les Sables Roses Beach in French Polynesia is a more unusual \_\_\_\_\_ deposits of crushed coral and other organic matter lend the sand a unique pink hue.

167

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) shade, though;
- B) shade, though,
- C) shade, though
- D) shade; though

While the greater adjutant (*Leptoptilos dubius*) can be found in places like Dong Khanthung in Laos and Chitwan National Park in Nepal, more than 80 percent of this endangered stork species is found in Assam, India. There, wildlife \_\_\_\_\_ is on the front lines of conservation efforts to bring adjutants back from near extinction

168

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) biologist Dr. Purnima Devi Barman
- B) biologist: Dr. Purnima Devi Barman.
- C) biologist, Dr. Purnima Devi Barman,
- D) biologist, Dr. Purnima Devi Barman

The giant sequoia (*Sequoiadendron giganteum*) known as D-23, located in the United States, was one of the oldest known trees in the world, at 3,075 years old. With over three millennia of climate data in its tree \_\_\_\_\_ single tree like this, claims dendrochronologist Valerie Trouet, can tell the history of the world.

169

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) rings. A
- B) rings; a
- C) rings and a
- D) rings, a



After finding information about Blanche Kelso Bruce, who represented Mississippi in the United States Senate, the student discovered biographical sketches of two other Black Americans who served in \_\_\_\_\_  
Ralph Harold Metcalfe of Illinois and Alton R. Waldon Jr. of New York.

170

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Congress;
- B) Congress:
- C) Congress,
- D) Congress

Mr. T. Rasta and Makhulu were special animals to big cat enthusiasts. Between 2006 and \_\_\_\_\_ lions prowled the Greater Kruger National Park game reserve in South Africa, forming part of a dominant coalition—the term for a group of male lions—known as the Mapogo.

171

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 2012 when these
- B) 2012. These
- C) 2012, because these
- D) 2012, these

Among the many ancient Egyptian units of measurement, the units and tools were used to measure area and \_\_\_\_\_ neither unit is commonly used today.

172

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) length; respectively,
- B) length respectively
- C) length, respectively;
- D) length, respectively,

Many mechanical calculators were powered by a notched cylinder mechanism called the Leibniz wheel. Leibniz wheel calculators were popular in the first half of the twentieth \_\_\_\_\_ these ingenious devices were eventually replaced by electronic calculators.

173

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) century,
- B) century that
- C) century
- D) century, but

Nigerian American artist Toyin Ojih Odutola uses black-ink pens to create highly detailed drawings of human figures. Her portrait of novelist Zadie \_\_\_\_\_ is displayed in the National Portrait Gallery in London.

174

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Smith:
- B) Smith,
- C) Smith
- D) Smith—

The term "retroflex" derives from Latin and means "bent back," an apt descriptor for the branch of consonants—retroflex consonants—pronounced with the tongue curling up and back in the mouth. In many languages, including English, these consonants are \_\_\_\_\_ in some dialects of Mandarin, however, four such consonants ("ch," "sh," "zh," and "r") are relatively common.

175

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) rare,
- B) rare
- C) rare;
- D) rare, and

Along with carbon dioxide concentration and temperature, light intensity affects the chemical reaction rate of \_\_\_\_\_ as light intensity increases, so does the rate at which the reactants (water and carbon dioxide) are converted into their products (glucose and oxygen).

176

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) photosynthesis
- B) photosynthesis:
- C) photosynthesis and
- D) photosynthesis,

Gretchen Legler's short essay on "sound," a word referring to a large inlet or channel of a sea or ocean, is included in the collection *Home Ground: A Guide to the American Landscape*. The book wasn't written solely by \_\_\_\_\_ other authors, such as Stephen Graham Jones and Barry Lopez, also contributed essays.

177

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Legler, however,
- B) Legler; however,
- C) Legler. However,
- D) Legler, however;

The Organisation for Economic Co-operation and Development (OECD) tracks comparative price list data for its thirty-eight member countries. According to this data, in July 2021, a "basket" of goods and services priced at 100 US dollars (USD) in the United States would have cost 66 USD in fellow OECD member\_\_\_\_\_

178

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) nation Latvia.
- B) nation: Latvia.
- C) nation, Latvia.
- D) nation—Latvia.

The editors of *Home Ground: A Guide to the American Landscape* turned to Arturo Longoria, a nonfiction writer, to craft the entry for "arroyo," a term referring to the bed of an intermittently dry stream or creek. For "lek," however, the editors chose \_\_\_\_\_ the author of *The Very Rich Hours*.

179

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) poet, Emily Hiestand,
- B) poet, Emily Hiestand
- C) poet Emily Hiestand
- D) poet Emily Hiestand,

The Roman historian Suetonius's *De vita caesarum*, a biography of the Roman Empire's first leaders, is an extant work: it can still be read. By contrast, Suetonius's book on miscellaneous topics, *Pratum*, no copies of which \_\_\_\_\_ is a lost work: it can be accessed only indirectly, through references to it in extant works.

180

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) having survived,
- B) to survive,
- C) survived,
- D) surviving,

Within Earth's biomes, there are four main types of desert: arid, semiarid, coastal, and cold. The Australian Desert in Australasia is an arid \_\_\_\_\_ with a total area of about 2,700,000  $km^2$ , it is one of the largest deserts of any type.

181

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) desert,
- B) desert, and
- C) desert and
- D) desert

On most of the world's beaches, sand is a predictable cream or beige color. The sand at Talofoto Beach in Guam is an \_\_\_\_\_ sand gets its shade from deposits of gray- and tan-hued quartz and feldspar, deposits of crushed olivine crystal and other organic matter lend the sand at Talofoto Beach a colorful green tint.

182

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) exception, though most
- B) exception: though most
- C) exception, though, most
- D) exception, though. Most

Museo del Autonomismo Puertorriqueño is a history museum in Ponce, Puerto Rico. It's one of more than eighty museums in the US territory. Puerto Rico's \_\_\_\_\_ showcase everything from the territory's history to its architecture to its coffee.

183

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) museums
- B) museums:
- C) museums,
- D) museums—

In the 1980s, Latino filmmakers Luis Valdez, Gregory Nava, and Ramón Menéndez helped expand on-screen representation of Latino Americans with the films *Zoot Suit* \_\_\_\_\_ and *Stand and Deliver* (1988), respectively.

184

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) (1981) *El Norte* (1983),
- B) (1981) *El Norte* (1983)
- C) (1981)—*El Norte* (1983)—
- D) (1981), *El Norte* (1983),

Olga Tokarezuk of Poland won it; George Bernard Shaw of Ireland won it, too. These are just two examples of the wide range of writers to be granted what is arguably the most prestigious \_\_\_\_\_ the Nobel Prize in Literature.

185

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) award; for a person of letters,
- B) award for a person of letters;
- C) award: for a person of letters
- D) award for a person of letters:

For scientists to produce new iron nanoparticles of a specific size or strength, they must first be able to monitor reactions between oxygen and existing iron nanoparticles at a near-atomic level of detail. Fortunately, chemistry \_\_\_\_\_ and his colleagues at Temple University recently developed a new approach that does just that.

186

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) professor Yugang Sun
- B) professor Yugang Sun,
- C) professor, Yugang Sun
- D) professor, Yugang Sun

In rural Minnesota, ecologist Leroy Walston conducted a study to determine whether seeding solar panel fields with wildflowers could bolster pollinator populations in nearby food crops. Walston's findings indicate that—assuming solar panel installers' \_\_\_\_\_ practice has the potential to increase the number of native bees in crops near solar fields throughout the Midwest by up to 20 percent.

187

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) cooperation this
- B) cooperation: this
- C) cooperation—this
- D) cooperation, this



The Balkan nation of Bosnia and Herzegovina does not have one president but \_\_\_\_\_ as members of the office of the presidency, one representing the nation's Bosniaks, one its Serbs, and one its Croats, these elected officials take turns serving as the office's chairperson.

188

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) three who are known
- B) three, known
- C) three, who are known
- D) three. Known

George Saunders concludes his essay "What Writers Really Do When They Write" by comparing the work of fiction writing to the act of juggling. The author-as-juggler performs a \_\_\_\_\_ gathering of central themes and tensions, the tossing of these elements into a dynamic narrative, and the catching of the resolutions that emerge.

189

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) routine; the
- B) routine, the
- C) routine. The
- D) routine: the

In her work, Ponca artist Julie Buffalohead uses mythical animal imagery to create fairytale-esque drawings and paintings. Since 1989, Indianapolis' s Eiteljorg Museum has celebrated the work of groundbreaking contemporary Native \_\_\_\_\_ in 2013, it awarded Buffalohead one of its prestigious artist fellowships.

190

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) artists, thus
- B) artists,
- C) artists and
- D) artists;

In 2012, Ken Liu's hard work paid off. Before an audience \_\_\_\_\_ fantasy writers from around the world, Liu's 'The Paper Menagerie' received the World Fantasy Award, one of the most prestigious honors in fantasy literature, for Best Short Fiction.

191

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) of
- B) of:
- C) of,
- D) of;

The giant sequoia (*Sequoiadendron giganteum*) known as D-23, located in the United States, was one of the oldest known trees in the world, at 3,075 years old. With over three millennia of climate data in its tree \_\_\_\_\_ single tree like this, claims dendrochronologist Valerie Trouet, can tell the history of the world.

192

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) rings. A
- B) rings; a
- C) rings and a
- D) rings, a

After finding information about Blanche Kelso Bruce, who represented Mississippi in the United States Senate, the student discovered biographical sketches of two other Black Americans who served in \_\_\_\_\_ Ralph Harold Metcalfe of Illinois and Alton R. Waldon jr of New York.

193

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Congress:
- B) Congress;
- C) Congress,
- D) Congress

The poem "Naomi," which was published in 1960, contains three signature elements of Gwendolyn Brooks's poetic \_\_\_\_\_ compressed lines infused with bursts of vivid imagery; syncopated rhythms, largely inspired by the blues tradition; and a keen attention to everyday life in Brooks's South Side Chicago neighborhood.

194

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) style. Terse
- B) style, terse,
- C) style: terse,
- D) style; terse,

The human body has three types of muscle \_\_\_\_\_ cardiac, and skeletal. The levator angula oris is a skeletal muscle—of which the body contains more than six hundred—and it helps with raising the corners of the mouth.

195

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) tissue and smooth
- B) tissue: smooth
- C) tissue smooth,
- D) tissue. Smooth

What makes the theremin a unique musical instrument? You play it without touching it. When you place your \_\_\_\_\_ the pitch will shift as your hands move through the air.

196

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) hand's between the two antenna's,
- B) hands between the two antennas,
- C) hands' between the two antennas',
- D) hands' between the two antennas,

Most sand is beige because of deposits of gray and tan-hued minerals, such as quartz and feldspar. The sand at Balos Beach in Greece is a more unusual \_\_\_\_\_ deposits of crushed coral and other organic matter lend the sand a unique pink hue.

197

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) shade, though
- B) shade; though
- C) shade, though,
- D) shade, though;

San Juan High School and Grand County High School are two of several Utah \_\_\_\_\_ enormous geoglyph of the letters *SJ* overlooks San Juan High, while a geoglyph of the letter *G* overlooks Grand County High.

198

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) schools that have their own hillside geoglyphs. An
- B) schools, that have their own hillside geoglyphs and an
- C) schools that have their own hillside geoglyphs, an
- D) schools, that have their own hillside geoglyphs, an

Deposits of crushed orange limestone and other organic matter lend the sand at Porto Festo Beach in Italy an unusual orange tint that dazzles \_\_\_\_\_ they take a bit of sand home, though, it disturbs the beach's ecosystem by contributing to erosion.

199

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) visitors, when
- B) visitors and when
- C) visitors when
- D) visitors. When

Consider the mechanics of the pinhole camera: light passes through a small hole, resulting in a focused projected image. A ray diagram reveals how this \_\_\_\_\_ the hole's small size restricts light to a single ray, all light passing through the hole can only arrive at a single destination, eliminating diffraction and ensuring a clear image.

200

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) works because
- B) works. Because
- C) works, it's because
- D) works: it's because

While the greater adjutant can be found in places like the Central Tanintharyi Coast in Myanmar and the Prek Toal Bird Sanctuary in Cambodia, more than 80 percent of this endangered stork species is found in Assam, India. There, wildlife biologist Purnima Devi Barman is on the front lines of conservation efforts that, through community involvement and scientific \_\_\_\_\_ aim to bring adjutants back from near extinction.

201

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) study
- B) study,
- C) study;
- D) study—

In Norway, the Longyearbyen observatory site monitors activity in the upper atmosphere of the northern \_\_\_\_\_ in Australia, another observatory site, Buckland Park, monitors the sky of the southern hemisphere. Together, they are part of the Super Dual Auroral Radar Network—or SuperDARN, as space physicists like Tadahiko Ogawa call it.

202

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) hemisphere and
- B) hemisphere
- C) hemisphere,
- D) hemisphere;

Long attributed to Jacques-Louis David, the preeminent Neoclassical painter of his day, the 1801 painting Marie Joséphine Charlotte du Val d'Ognes gained fresh attention in the 1990s when art historians discovered that the painting—which depicts a solitary young woman sketching—was actually the work of little-known French portrait \_\_\_\_\_ Marie-Denise Villers (1774-1821).

203

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) artist—
- B) artist
- C) artist:
- D) artist,

Along the hallowed walls of New York City's Museum of Modern Art hangs 24.5-by-34.5-inch oil \_\_\_\_\_ which was created in 1964 by American artist Vija Celmins.

204

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) painting Gun with Hand #1
- B) painting, Gun with Hand #1,
- C) painting Gun with Hand #1,
- D) painting, Gun with Hand #1

For Spain, a member of the North Atlantic Treaty Organization (NATO) since 1982, NATO's principle of collective defense confers both benefits and \_\_\_\_\_ organization's many members, nations as disparate as the US and Slovenia, are all bound to defend Spain, the reverse is also true.

205

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) obligations; the
- B) obligations. The
- C) obligations, while the
- D) obligations: while the



As of 2017, Italy's top tax rate of 55% was lower than the country's Laffer curve peak (70%). To some economists, whether a tax cut will ultimately increase Italy's tax revenue is dependent on the country's position on the Laffer \_\_\_\_\_ a theoretical relationship between tax rates and revenues, the curve was famously sketched on a napkin by economist Arthur Laffer in 1974.

206

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) curve
- B) curve;
- C) curve, which is
- D) curve,

Epic poetry is a literary genre characterized by lengthy narratives that emphasize the heroic or divine. The *Argonautica*, an epic poem of Greek origin, dates back to the \_\_\_\_\_ the poem's heroic narrative still captivates modern readers.

207

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 3rd century BCE,
- B) 3rd century BCE yet,
- C) 3rd century BCE, yet
- D) 3rd century BCE

In addition to being a celebrated writer, musician, and educator, Zitkála-Sá (Yankton Dakota) was the cofounder of the National Council of American \_\_\_\_\_ advocating for Native American civil rights throughout the 1920s and 1930s.

208

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Indians. Which
- B) Indians,
- C) Indians
- D) Indians, which

Cy Twombly, a US painter and sculptor, created many large-scale abstract works, such as his 10-painting series Fifty Days at Ilium. In these works, Twombly's artistic style is exemplified by his use of graffiti-like \_\_\_\_\_ often incorporate words or phrases from poetry and mythology.

209

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) scribbles that
- B) scribbles: that
- C) scribbles; that
- D) scribbles. That

For the past 20 million years, Earth's magnetic poles in the far north and far south have remained roughly where they are today. This has not always been the \_\_\_\_\_ throughout geologic history, Earth's magnetic poles have swapped places several times through a process called polar wandering.

210

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) case, though,
- B) case, though;
- C) case; though,
- D) case, though

New Zealand and Greece have two of the longest constitutions in the world. At 48,438 and 26,989 words, respectively, these \_\_\_\_\_ according to research by constitutional scholars George Tsebelis and Dominic J. Nardi, correlate with GDPs (gross domestic products) that are lower than those of countries with shorter constitutions.

211

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) constitutions lengths,
- B) constitution's lengths,
- C) constitutions' lengths,
- D) constitutions' length,

Included in Second Sight: the Paradox of Vision in Contemporary Art, a 2018 group exhibition at the Bowdoin College Museum of Art in Brunswick, Maine, was the work of artist Lorna Simpson, who is best known for her multimedia artworks that juxtapose images of African American women with text fragments. Her work challenges conventional notions of race, gender, history, and \_\_\_\_\_ she is credited with expanding the horizons of conceptual photographic art.

212

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) memory,
- B) memory
- C) memory, and
- D) memory and

Recent analysis of 54598 Bienor—an outer solar system object orbiting the Sun between Saturn and Uranus—has determined its color to be gray, suggesting an icy composition. Such interpretations are ultimately \_\_\_\_\_ the object's gray coloration may be an incidental effect of radiation, solar wind, or collisions with other objects rather than evidence of its physical makeup.

213

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) speculative, though,
- B) speculative, though;
- C) speculative; though
- D) speculative, though

When attempting to determine a fault's seismic history, geophysicists like Dr. Estella Atekwana at the University of Delaware rely in part on data about the fault's physical dimensions and geological features. For the Ione Valley fault in Lander County, Nevada, the US Geological Survey compiles such data in several \_\_\_\_\_ exchanging information with state geological surveys, by linking maps of the fault with sources that offer detailed descriptions of it, and by maintaining a database of quantitative data such as the fault's length (76 km).

214

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) ways. By
- B) ways: by
- C) ways; by
- D) ways by:

A pet rabbit is held by its owner on a beach in "Boo and His Rabbit", a photograph by British \_\_\_\_\_ Chris Killip.

215

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) artist:
- B) artist—
- C) artist
- D) artist,

The 2020 documentary Without a Whisper—Konnon:Kwe was directed by Katsitsionni Fox. It explores how Indigenous Haudenosaunee culture shaped the woman suffrage movement in the early nineteenth \_\_\_\_\_ how the personal and political authority Haudenosaunee women had in their communities influenced the first suffragists in the US.

216

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Century. Revealing
- B) century; revealing
- C) century, revealing
- D) century revealing

Although 39P/Oterma and 83982 Crantor are both classified as centaur objects—outer solar system bodies in unstable orbits—they exhibit striking differences in \_\_\_\_\_ object 39P/Oterma is considered an active centaur, showing sporadic comet-like activity (such as clouds of dust and gas on its surface), 83982 Crantor, showing no such activity, is considered dormant.

217

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) behavior: while the
- B) behavior; the
- C) behavior, while the
- D) behavior. The

Kizomba, a genre of dance that originated in Angola, has become an international \_\_\_\_\_ 2022, the Indian dance duo known as Elvis and Namrata defeated performers from around the world to win the annual Olympiads of Kizomba competition held in Paris, France, becoming the first-ever Asian winners.

218

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) phenomenon in
- B) phenomenon, in
- C) phenomenon and in
- D) phenomenon. In

Round Rock Chapter, which covers 201,000 acres, is one of the 110 chapters of the Navajo \_\_\_\_\_ Diné bizaad (the Navajo language), the chapter is called Tsé Níkání.

219

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Nation and in
- B) Nation in
- C) Nation, in
- D) Nation. In

Included in What Absence Is Made Of, a 2017 group exhibition at the Hirshhorn Museum and Sculpture Garden in Washington. DC, was the work of artist Lorna Simpson, who is best known for her multimedia artworks that juxtapose images of African American women with text fragments. Her work challenges conventional notions of race, gender, history, and \_\_\_\_\_ she is credited with expanding the horizons of conceptual photographic art.

220

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) memory and
- B) memory,
- C) memory, and
- D) memory

The editors of *Home Ground: A Guide to the American Landscape* turned to D. J. Waldie, a nonfiction writer, to craft the entry for "thalweg," a term referring to a line connecting the lowest points of a valley. For "cape," however, the editors chose the \_\_\_\_\_ author of inheritance.

221

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) novelist Lan Samantha Chang,
- B) novelist Lan Samantha Chang
- C) novelist, Lan Samantha Chang,
- D) novelist, Lan Samantha Chang

The Austronesian language family comprises some 1,200 languages—including the \_\_\_\_\_ Gilbertese and Tongan, which are spoken by 120,000 and 108,000 speakers, respectively—and accounts for one-fifth of the world's languages, making it of keen interest to linguists like Marian Klammer.

222

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) languages,
- B) languages:
- C) languages
- D) languages—

If you had turned on the radio in the summer of 1961, chances are you would have heard the hit \_\_\_\_\_ "A Tear" by Gene McDaniels. The song spent four straight weeks on the Billboard Hot 100 chart that year.

223

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) song:
- B) song;
- C) song,
- D) song



Recent analysis of 1999 OX3—an outer solar system object orbiting the Sun between Jupiter and Neptune—has determined its color to be red, suggesting a rocky composition. Such interpretations are ultimately

\_\_\_\_\_ the object's red coloration may be an incidental effect of radiation, solar wind, or collisions with other objects rather than evidence of its physical makeup.

224

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) speculative; though
- B) speculative, though,
- C) speculative, though
- D) speculative, though:

The first modern public zoo opened at the height of the French Revolution in 1793. Located in downtown Paris, the zoo was called the Menagerie du Jardin des Plantes. It was filled with living animals that had been confiscated \_\_\_\_\_ the private collections of French aristocrats.

225

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) from;
- B) from
- C) from:
- D) from,

Although 2060 Chiron and 2008 FC76 are both classified as centaur objects outer solar system bodies in unstable orbits, they exhibit striking differences in \_\_\_\_\_ object 2060 Chiron is considered an active centaur, showing sporadic comet-like activity (such as clouds of dust and gas on its surface), 2008 FC76, showing no such activity, is considered dormant.

226

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) behavior; the
- B) behavior. The
- C) behavior: while the
- D) behavior, while the

In 1990, the fantasy novel *The Eye of the World* was published under the pen name Robert Jordan. Now, we know that \_\_\_\_\_

227

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) was the author's real name James Oliver Rigney Jr.?
- B) the author's real name was James Oliver Rigney Jr.
- C) the author's real name was James Oliver Rigney Jr.?
- D) was the author's real name James Oliver Rigney Jr

While the greater adjutant (*Leptoptilos dubius*) can be found in places like the Nawalparasi forests in Nepal and Ang Tropeang Thmor in \_\_\_\_\_ than 80 percent of this endangered stork species is found in Assam, India. There, wildlife biologist Dr. Purnima Devi Barman is on the front lines of conservation efforts to bring adjutants back from near extinction.

228

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Cambodia more
- B) Cambodia. More
- C) Cambodia; more
- D) Cambodia, more

The Komi Autonomous Soviet Socialist Republic, whose residents mainly spoke Komi, was one of many nominally autonomous Soviet \_\_\_\_\_ by giving these restive republics the right to assert their prerogatives, President Mikhail Gorbachev likely hastened the Soviet Union's breakup.

229

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) republics established along ethnolinguistic lines;
- B) republics established along ethnolinguistic lines,
- C) republics. Established, along ethnolinguistic lines,
- D) republics; established along ethnolinguistic lines;

Despite being one of the North Atlantic Treaty Organization's (NATO's) newer members, Latvia, which joined the alliance in 2004, is just as protected—and just as bound—by NATO's principle of collective defense as is founding

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230

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) member—Norway.
- B) member: Norway.
- C) member, Norway.
- D) member Norway.

In ancient Mesoamerica, cotton was used as a commodity currency. By using specific goods like cotton as common units of exchange, commodity currency economies streamline trade, which is why they often replaced barter economies. Barter economies eschew \_\_\_\_\_ that requires what economist W.S. Jevons deems a "double coincidence of wants"—in other words, each trading party must want precisely what the other has.

231

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) currency in favor of a direct trade system
- B) currency, in favor of a direct trade system,
- C) currency, in favor of a direct trade system
- D) currency—in favor of a direct trade system

Not all plants benefit equally or from the same kind of \_\_\_\_\_ sweet gum and carrot, for example, benefit from endomycorrhizal associations; many tree species, such as pine and oak, benefit from ectomycorrhizal associations; and plants in the Ericaceae family, such as cranberry, don't benefit from mycorrhizae at all.

232

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) mycorrhizae,
- B) mycorrhizae;
- C) mycorrhizae:
- D) mycorrhizae

In 1847, the novel *Agnes Grey* was published under the pen name Acton Bell. Now, we know that \_\_\_\_\_

233

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) was the author's real name Anne Brontë?
- B) the author's real name was Anne Brontë.
- C) was the author's real name Anne Brontë.
- D) the author's real name was Anne Brontë?

While the greater adjutant (*Leptoptilos dubius*) can be found in places like the Inner Gulf of Thailand and Manchar Lake in \_\_\_\_\_ than 80 percent of this endangered stork species is found in Assam, India. There, wildlife biologist Dr. Purnima Devi Barman is on the front lines of conservation efforts to bring adjutants back from near extinction.

234

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Pakistan, more
- B) Pakistan; more
- C) Pakistan. More
- D) Pakistan more

Citing the example of Zeus, a mythological god whose tomb was reportedly located on the island of Crete, the writer Euhemerus (fourth century BCE) theorized that all the deities in the Greek pantheon—including the god of knowledge and the arts, Apollo; the god of wine and the theater, Dionysus; and the god of constellations, \_\_\_\_\_ may have been historical figures who, through the power of myth, underwent apotheosis.

235

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Crius;
- B) Crius—
- C) Crius,
- D) Crius

The parks of Chicago, Illinois, seem to be making people happier. In a 2022 study, researchers studying connections between the physical location in which a social media post was \_\_\_\_\_ analyzed geotagged social media posts from various locations in Chicago. They found that posts from the city's parks contained more words associated with happiness than other posts did.

236

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) created and the post's content
- B) created, and the post's content
- C) created and the post's content,
- D) created, and the post's content,

With an installed capacity of 35 megawatts, the Platanares geothermal power plant in Honduras offers a dependable source of renewable energy. Power plants like Platanares supply only a small fraction of Honduras's \_\_\_\_\_ the scarcity of sites with the necessary combination of high-temperature geothermal reservoirs and fractured rock limiting the widespread development of such systems.

237

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) electricity; though,
- B) electricity, though:
- C) electricity, though
- D) electricity, though,

The towns Entebbe and Jamame are both located almost directly on the \_\_\_\_\_ they are in different countries. Entebbe is in Uganda, while Jamame is in Somalia.

238

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) equator
- B) equator, but
- C) equator,
- D) equator that

In 1991, New Jersey \_\_\_\_\_ official fossil: the *Hadrosaurus foulkii*, which is a Cretaceous period dinosaur.

239

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) lawmakers designated the state's
- B) lawmakers designated the states
- C) lawmaker's designated the states
- D) lawmaker's designated the state's

Nicosia is home to roughly 27 percent of Cyprus's total population. This means that about 1 in 4 \_\_\_\_\_ live in Cyprus live in Nicosia!

240

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) people
- B) people who
- C) people,
- D) people, who

All member nations of the North Atlantic Treaty Organization, or NATO, including Belgium, which joined in 1949; Hungary, which joined in 1999; and Slovenia, which joined in \_\_\_\_\_ are committed to NATO's principle of collective defense, each member pledging to defend all others.

241

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 2004;
- B) 2004
- C) 2004—
- D) 2004,



A loose confederation of cities from eleven modern-day countries, the Hanseatic League was a powerful mercantile alliance that dominated northern European trade between the 13th and 17th centuries. Hanseatic League member \_\_\_\_\_ was serendipitously located on the Rhine River in Germany, giving Cologne's merchants access to key maritime trade routes.

242

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) city Cologne,
- B) city, Cologne,
- C) city, Cologne
- D) city Cologne

*Branching in Jurisprudential Schools* is one of the hundreds of thousands of manuscripts that have survived from roughly the sixteenth century to the present \_\_\_\_\_ being passed down through private libraries in the city of Timbuktu, Mali. Many of these manuscripts can be found at the Al-Wangari Manuscript Library.

243

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) day by
- B) day; by
- C) day. By
- D) day by,

The terms, included in Barry Lopez and Debra Gwartney's *Home Ground: A Guide to the American* \_\_\_\_\_ such as "karst," which refers to limestone terrain riddled with caves or sinkholes, illustrate the rich vocabulary used to describe the landforms of North America.

244

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Landscape,
- B) Landscape:
- C) Landscape —
- D) Landscape

Following the formation of the European Union (EU) that same year, the organizers of the 1992 Tour de France wanted the bike race to reflect the cross-national flow of people and trade that the EU had made possible. The resulting course was 2,500 miles long \_\_\_\_\_ separate borders of neighboring countries, modeled a vision of the EU's unifying aims.

245

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) and, crossed
- B) and had crossed
- C) and crossed
- D) and, crossing

As part of his I GOT UP series, Japanese conceptual artist On Kawara spent over a decade—with near daily consistency—mailing postcards to friends declaring what time he got up each day, resulting in pieces such as I Got Up at 7.19 A.M., Jun 6 1977. Such meticulous documentation of mundane \_\_\_\_\_ artworks that "resonate with existential, psychological and scientific implications about the time-space continuum," according to the New York Times, became Kawara's life's work.

246

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) information, has generated
- B) information generates
- C) information, generating
- D) information generated

For her film *I Am Somebody* (1970), a documentary about a successful months-long strike held by Black female hospital workers in Charleston, South Carolina, director Madeline Anderson chose a narrator who had participated in the \_\_\_\_\_ by allowing the narrative to be shaped by one of their own, amplified the agency and power the workers possessed.

247

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) protest a decision that
- B) protest. A decision that
- C) protest; a decision that,
- D) protest, a decision that,

Mountain goats were made to climb. In addition to having hard hooves that can dig into nearly any groove or \_\_\_\_\_ mountain goats have slender bodies ideal for scaling nearly ninety-degree cliffs.

248

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) crack, or
- B) crack or
- C) crack
- D) crack,

Among the small magazines animating Boston's vibrant literary scene in the early twentieth century was \_\_\_\_\_ by William Stanley Braithwaite and featuring poetry by John Gould Fletcher, Louis Untermeyer, and Richard Aldington; essays by Amy Lowell and Jeanette Marks; and reviews of recent books, this magazine publicized the work of influential avant-garde writers and artists of the day.

249

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) the Poetry Review of America. Edited
- B) the Poetry Review of America: edited
- C) the Poetry Review of America, edited
- D) the Poetry Review of America edited

Writer Silvia Moreno-Garcia's love of short fiction began when she read a collection of Edgar Allan Poe stories as a child, and she later would become a prolific short story writer herself, publishing pieces like "Jackals" (2015) and "Year of the Monkey" (2008). Yet she's best \_\_\_\_\_ ever since her 2020 novel Mexican Gothic saw widespread critical and commercial success, as a novelist.

250

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) known,
- B) known
- C) known;
- D) known:

In a chemical equation, converting between the mass of the reactants and the mass of the product requires knowing each component's molar mass, a quantification of the average mass of the atoms in a compound. The liquid \_\_\_\_\_ has a molar mass of 170.33 g/mol.

251

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) compound, dodecane ( $C_{12}H_{26}$ ),
- B) compound, dodecane ( $C_{12}H_{26}$ )
- C) compound dodecane ( $C_{12}H_{26}$ ),
- D) compound dodecane ( $C_{12}H_{26}$ )

## Answers: Boundaries

Number	Answer	Number	Answer
1	A	2	B
3	D	4	C
5	C	6	A
7	D	8	A
9	A	10	A
11	B	12	B
13	A	14	A
15	B	16	B
17	B	18	B
19	D	20	C
21	D	22	C
23	A	24	A
25	C	26	D
27	C	28	C
29	A	30	D
31	A	32	B
33	B	34	D
35	A	36	B
37	B	38	D
39	C	40	B
41	D	42	B

Number	Answer	Number	Answer
43	A	44	D
45	B	46	B
47	A	48	B
49	A	50	D
51	C	52	D
53	D	54	D
55	A	56	D
57	A	58	D
59	C	60	A
61	A	62	D
63	C	64	C
65	A	66	C
67	A	68	B
69	C	70	A
71	B	72	D
73	C	74	A
75	B	76	C
77	C	78	C
79	B	80	B
81	A	82	B
83	D	84	D
85	A	86	B



Number	Answer	Number	Answer
87	D	88	D
89	C	90	D
91	D	92	B
93	A	94	B
95	B	96	C
97	D	98	C
99	A	100	C
101	D	102	D
103	A	104	D
105	D	106	A
107	D	108	B
109	A	110	A
111	A	112	D
113	B	114	B
115	B	116	B
117	C	118	A
119	D	120	D
121	C	122	B
123	D	124	B
125	B	126	D
127	B	128	B
129	D	130	A

Number	Answer	Number	Answer
131	C	132	B
133	D	134	B
135	A	136	A
137	A	138	A
139	C	140	D
141	B	142	A
143	A	144	B
145	A	146	C
147	D	148	B
149	A	150	D
151	B	152	D
153	B	154	B
155	A	156	C
157	B	158	C
159	C	160	B
161	C	162	B
163	A	164	B
165	B	166	D
167	A	168	A
169	D	170	B
171	D	172	C
173	D	174	C

Number	Answer	Number	Answer
175	C	176	B
177	D	178	A
179	D	180	C
181	B	182	B
183	A	184	D
185	D	186	A
187	C	188	D
189	D	190	D
191	A	192	D
193	A	194	C
195	B	196	B
197	D	198	A
199	D	200	B
201	B	202	D
203	B	204	C
205	D	206	B
207	C	208	B
209	A	210	B
211	C	212	C
213	B	214	B
215	C	216	C
217	A	218	D

Number	Answer	Number	Answer
219	D	220	C
221	B	222	C
223	D	224	D
225	B	226	C
227	B	228	D
229	A	230	D
231	A	232	C
233	B	234	A
235	B	236	A
237	D	238	B
239	A	240	B
241	D	242	D
243	A	244	A
245	D	246	C
247	D	248	D
249	A	250	A
251	D		

## Topic 2: Form, Structure, and Sense

186 Questions

### DIRECTIONS

#### Must Know Tips:

- Pay attention to the number of the noun and its corresponding verb.
- Sometimes, you may need to read the entire passage to understand what's being tested.
- Quickly go through Gramilliy.
- Don't read the question prompt (it's static).

**Recommended time per question in this section:** min: 20 sec, max: 45 sec, avg: 32.5 sec.  
(\*Exam level)

The writer Maya Angelou, along with others such as Lorenzo Thomas and Gwendolyn Brooks, \_\_\_\_\_ commonly associated with the Black Arts movement, a loose-knit group of writers and artists active in the 1960s and the 1970s who were interested in exploring the Black American experience through their work.

1

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) have been
- B) is
- C) are
- D) were

Both Heinrich Boll and Camilo Jose Cela have been commended for \_\_\_\_\_ contributions to literature, perhaps most notably when the Swedish Academy awarded Ball the Nobel Prize in Literature in 1972 and Cela in 1989.

2

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) it's
- B) their
- C) its
- D) they're

On the other hand, Newark Liberty International Airport, which \_\_\_\_\_ located in Newark, New Jersey, saw an overall increase in departing passengers over the same time period, from 16,704,844 total passengers to 23,171,827.

3

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is
- B) are
- C) were
- D) have been

Rising 11,371 feet above sea level, Mount Leuser \_\_\_\_\_ among the world's tallest mountains.

4

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is ranked
- B) to rank
- C) ranking
- D) having ranked

Fans of the film *The Princess and the Frog* (2009) likely \_\_\_\_\_ the commanding bass voice behind the character Dr. Facilier. It belongs to actor Keith David. The veteran actor has performed in everything from commercials to Broadway musicals, but he is most known for his voice acting.

5

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) recognizes
- B) has recognized
- C) recognize
- D) is recognizing



As an object-oriented computer programming language, Kotlin is used by coders like Black Girls Code founder Kimberly Bryant to create programs by manipulating "objects" (that is, specifically defined variables or combinations of variables) into interacting with each other. Conversely, Pascal, \_\_\_\_\_ in software development and educational instruction, is not an object-oriented language.

6

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) to use
- B) used
- C) the use
- D) using

To divorce his first wife and marry Anne Boylyn, King Henry VIII of England separated from the Catholic Church in 1534. He then established his own religion, the Church of England, which would also become known as Protestantism. This decision would send England into centuries of turmoil as \_\_\_\_\_, some Catholic and some Protestant, would enforce their preferred religion and persecute their subjects if they did not follow suit.

7

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) England's following monarchs
- B) English rulers that followed
- C) British kings that later ruled
- D) England's later-ruling kings

In Tallin, Estonia, the average temperature is 57.4 degrees in June, \_\_\_\_\_ to 63 degrees in July, and then dips slightly to 60 degrees in August.

8

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) rising
- B) rises
- C) has risen
- D) rose

In the cosmetic industry, emulsifiers like polysorbate 80 allow chemicals to blend water and oil into homogenous formulations, like lotions and perfumes. \_\_\_\_\_ in everything from food to cleaning products, emulsifiers are compounds that serve to stabilize an emulsion- a mixture of two or more liquids that otherwise would not easily blend together.

9

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Using
- B) To use
- C) They are used
- D) Used

Since 1948, Us News an & World Report has been publishing data-driven reports on various aspects of culture and society, including an annual ranking of the best jobs in US. In 2021, the publication determined that statistics had the sixth best job in US. A calculation arrived at by considering such \_\_\_\_\_ median salary and work-life balance.

10

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) metrics as the profession's
- B) metric as the profession's
- C) metrics as the professions'
- D) metric as the professions

An emulsifier is a type of compound that \_\_\_\_\_ to stabilize an emulsion—a mixture of two or more liquids that otherwise would not easily blend. In the cosmetics industry, emulsifiers like Detostearyl are commonly used to blend oil and water.

11

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) served
- B) had served
- C) serves
- D) was serving

In the periodic table, an element's atomic number indicates the number of protons in an atom of that element. For example, there are 25 protons in a manganese atom. Raymond Chang's textbook General Chemistry: The Essential Concepts \_\_\_\_\_ this concept in detail.

12

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) discussing
- B) discusses
- C) to discuss
- D) having discussed

In the spring of 1964, it was hard to go anywhere without hearing the song "Cotton Candy" by The Sylvers. As of April 11, the song had spent thirteen straight weeks on the Bliboard Hot 100 chart and \_\_\_\_\_ № 1 on the list.

13

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) have been ranking
- B) was ranked
- C) were ranked
- D) are ranked

The word "robot" \_\_\_\_\_ first used in the 1920 play R.U.R. by Czech author Karel Capek.

14

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) were
- B) were being
- C) was
- D) have been

In 2021, Sara McCarthy \_\_\_\_\_ as a biologist at the University of Connecticut, studying squids.

15

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) working
- B) was working
- C) to work
- D) to have worked

In Moscow, Russia, the average temperature is 62.6 degrees Fahrenheit in June, \_\_\_\_\_ to 66.6 degree in July, and then dips slightly to 62.6 degrees in August.

16

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has risen
- B) rises
- C) rising
- D) rose

Lily Everett and Mary Foote were among the 300 artists who exhibited at the 1913 Armory Show, a groundbreaking New York City art exhibition that introduced modernism to the American audience. Marcel Duchamp's abstract cubist aesthetic received the most skepticism from critics, as \_\_\_\_\_ represented a radical departure from the more realistic painting style that was popular at the time.

17

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) these
- B) they
- C) we
- D) it

It is widely known that New York City's Museum of Modern Art (MoMA) \_\_\_\_\_ a vast collection of oil paintings, including Franz Marc's *The World* and Katherine S. Dreier's *Abstract Portrait* of Marcel Duchamp.

18

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) housing
- B) to house
- C) to have housed
- D) houses

Water boils at around 212°F at sea level, but in Highland, Utah (elevation: 4,977 feet above sea level), it boils at around 202°F. Food writer J. Kenji López-Alt, who explores the science behind cooking, \_\_\_\_\_ that lower boiling points at higher elevations "can wreak all sorts of havoc on recipes."

19

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) explains
- B) explain
- C) have explained
- D) are explaining

Yerevan is the capital city of Armenia and, \_\_\_\_\_ roughly one million people, home to an impressive 36 percent of Armenia's total population.

20

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) contained
- B) contains
- C) containing
- D) has contained

When \_\_\_\_\_ debuted in January 1983 as part of the exhibit Women of Clay, the artworks brought vibrant visual texture to the bustling terminals of San Francisco International Airport.

21

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) they
- B) that
- C) it
- D) this

What is the correct pronunciation of Kiribati? In the Gilbertese language spoken by residents of the island nation, the letter combination -ti makes the -s sound; as a result, the country's name \_\_\_\_\_ pronounced "Kiribas."

22

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is
- B) are being
- C) have been
- D) are

The size of bird eggs varies widely across species, and the researchers, \_\_\_\_\_ computer imaging to compare the lengths of eggs from species like *Buteo albicaudatus* and *Treron vernans*, aimed to shed light on the evolutionary basis for such variation.

23

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) to use
- B) using
- C) used
- D) use



In 2014, actor Keith David voiced the character Old Buzzard in the film *Birds of Paradise*. David has acted in everything from commercials to Broadway musicals, but his voice acting work is why\_\_\_\_\_

24

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has he become such a celebrated talent?
- B) has he become such a celebrated talent.
- C) he has become such a celebrated talent?
- D) he has become such a celebrated talent.

Home to roughly 710,000 people,\_\_\_\_\_

25

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) the city of Riga contains an impressive 35 percent of Latvia's total population.
- B) contained within the city of Riga is an impressive 35 percent of Latvia's total population.
- C) of Latvia's total population, an impressive 35 percent is contained in the city of Riga.
- D) an impressive 35 percent of Latvia's total population is contained within the city of Riga.

Ann Greely of Maine had been a fierce advocate of women's voting rights in the late 1800s. The dedication of Greely and her fellow activists \_\_\_\_\_ rewarded in 1920, when the Nineteenth Amendment to the US Constitution guaranteed American women the right to vote.

26

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) was
- B) have been
- C) are
- D) were

The city of Quito in Ecuador \_\_\_\_\_  
one of the rare places in the world located  
almost directly on the equator.

27

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is
- B) have been
- C) are
- D) are being

To study the ultrafast movements of atoms, chemist Ahmed Zewail had to devise a novel spectroscopy technique capable of measuring chemical reactions, \_\_\_\_\_ within molecules at a quadrillionth of a second. Ultimately, Zewail succeeded and was eventually honored with the Robert A. Welch Award and the Albert Einstein World Award of Science for this groundbreaking achievement.

28

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) occurred
- B) occurring
- C) occur
- D) will occur

Forming extensive networks via mycorrhizal association—that is, a symbiotic relationship between plants and fungi— \_\_\_\_\_

29

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) hemlock trees and the fungus *Cantharellus cibarius* can transport nutrients through their entangled tree roots and fungal hyphae.
- B) nutrients can be transported through the entanglement of hemlock trees' roots and the fungus *Cantharellus cibarius*'s fungal hyphae.
- C) the transport of nutrients is possible through the entanglement of hemlock trees' roots and the fungus *Cantharellus cibarius*'s fungal hyphae.
- D) it is the entanglement of hemlock trees' roots and the fungus *Cantharellus cibarius*'s fungal hyphae that makes nutrient transport possible.

National Heritage Areas like the Arabia Mountain National Heritage Area in Georgia \_\_\_\_\_ officially designated by the United States Congress as being "unique [and] nationally significant" for their natural, cultural, and historical attributes.

30

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has been
- B) are
- C) was
- D) is

Upper Fruitland Chapter is one of the 110 chapters of the Navajo Nation (Naabeehó Bináhásdzo). The chapter, whose boundaries encompass 83,400 acres, \_\_\_\_\_ known as Doo Alk'ai in the Navajo language (Diné bizaad).

31

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) are
- B) have been
- C) were
- D) is

Technologies such as microphones and inkjet printers are made using piezoelectric materials, which generate an internal electric field when pressure is applied to them. The toxic nature of some of these materials recently led a team from the University of Sheffield to investigate how \_\_\_\_\_

32

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) could their use be better regulated?
- B) their use could be better regulated.
- C) their use could be better regulated?
- D) could their use be better regulated.

In 1929, Edwin Herbert Land invented a polarizing filter that was featured in a number of products, from sunglasses to 3D movies. A decade later, Land \_\_\_\_\_ his technology to invent the world's first instant camera, the Polaroid Land camera.

33

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) used
- B) to have used
- C) to use
- D) using

Anthropologist Livia Barbosa, of the Universidade Federal Fluminense in Brazil, \_\_\_\_\_ food and sociability in contemporary Brazil—specifically, how foods such as carne-de-sol (a food cured meat dish) and pé-de-moleque (a traditional peanut brittle candy) function as central mechanisms in building social relationships, values, and identities.

34

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) have studied
- B) studies
- C) study
- D) are studying

On Guadalupe Peak, which \_\_\_\_\_ an elevation of 8,751 feet, one can find the highest point in Texas.

35

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) reaches
- B) reach
- C) reaching
- D) to reach

The writer Audre Lorde, along with others such as Haki Madhubuti and Quincy Troupe, \_\_\_\_\_ commonly associated with the Black Arts movement, a loose-knit group of writers and artists active in the 1960s and the 1970s who were interested in exploring the Black American experience through their work.

36

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) are
- B) have been
- C) were
- D) is

A species of *Byropsis* algae produces toxins to avoid being eaten by predators. However, in some cases, the toxins the organism uses to protect itself from predation actually \_\_\_\_\_ its attractiveness to predators. The Hawaiian sea slug, for example, not only tolerates *Byropsis* toxins but actually uses them for protection in the same way the algae does.

37

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is increasing
- B) increase
- C) increases
- D) has increased

A region of the Soviet Union encompassing the present-day city of Tiraspol, Moldova, the Romanian-speaking Moldavian Autonomous Soviet Socialist Republic was in fact only nominally autonomous. President Mikhail Gorbachev's reforms, by helping the Moldavian Republic and other Soviet republics established along ethnolinguistic lines assert their prerogatives, \_\_\_\_\_ to the Soviet Union's breakup.

38

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) which contributed
- B) contributed
- C) having contributed
- D) contributing

The artist Jean-Honore Fragonard's painting The Progress of Love: Meeting, symbolically \_\_\_\_\_ to portray the sense of excitement that infuses new relationships, is a highly regarded example of allegory.

39

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) functioning
- B) has functioned
- C) functions
- D) was functioning

If you had turned on the radio in the fall of 1964, there was a good chance that \_\_\_\_\_

40

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) you would have heard "Little Marie" by Chuck Berry.
- B) would you have heard "Little Marie" by Chuck Berry.
- C) you would have heard "Little Marie" by Chuck Berry?
- D) would you have heard "Little Marie" by Chuck Berry?

The Song of Roland is an epic poem that \_\_\_\_\_ a beautiful, heroic story. Originally composed in Old French in the 11th century, the poem has since been translated into many languages, allowing it to reach readers in all corners of the world.

41

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) were telling
- B) have told
- C) tells
- D) tell



During the 20th century, Montana, New Jersey, and Colorado each selected a dinosaur from a different genus for its state fossil: Montana \_\_\_\_\_ from the genus *Maiasaura*; New Jersey, from *Hadrosaurus*; and Colorado, from *Stegosaurus*.

42

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is choosing
- B) will choose
- C) chooses
- D) chose

Margaret Wendell Huntington and Nessa Cohen were among the 300 artists who exhibited at the 1913 Armory Show, a groundbreaking New York City art exhibition that introduced modernism to American audiences. Though now canonical, many works featured in the show—particularly one abstract cubist painting by Marcel Duchamp—\_\_\_\_\_ considered shocking at the time.

43

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) were
- B) was
- C) is
- D) has been

The present-day city of Nakhchivan, Azerbaijan, was for years the capital of the Nakhchivan Autonomous Soviet Socialist Republic, one of many nominally autonomous republics within the Soviet Union. Like \_\_\_\_\_ peer autonomous Soviet socialist republics, the Nakhchivan Republic was established along ethnolinguistic lines: most of the republic's residents spoke Azerbaijani.

44

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) their
- B) they're
- C) its
- D) it's

Jordan's constitution, enacted in 1952, contains just one of the six constitutional features that enhance judicial independence, as identified by legal scholars James Melton and Tom Ginsburg. After 1985, such de jure judicial independence became more prevalent, as exemplified in Croatia's constitution, enacted in 1991 and \_\_\_\_\_ four of these features.

45

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) contained
- B) containing
- C) had contained
- D) contains

A recipient of both the Wolf Prize in Chemistry and the Robert A. Welch Award, chemist Ahmed Zewail expanded the limits of measurability when he devised a novel technique in optical spectroscopy that allows researchers \_\_\_\_\_ chemical reactions occurring within molecules at a quadrillionth of a second, or one femtosecond.

46

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) to study
- B) will study
- C) who study
- D) studying

Both Arteaga, in the state of Coahuila, and Lagos de Moreno, in the state of Jalisco, have been designated by Mexico as pueblos mágicos (magical villages) to celebrate these \_\_\_\_\_ natural beauty and unique cultural traditions.

47

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) town
- B) town's
- C) towns
- D) towns'

Light of Truth is a bronze and marble sculpture by artist Richard Hunt. It honors civil rights icon Ida B. Wells. The sculpture \_\_\_\_\_ in a tree-lined plaza in Chicago, just a few blocks from where Wells lived.

48

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) were standing
- B) have been standing
- C) stands
- D) are standing

Researchers Tammy Kernodle and Paul Austerlitz have lent their expertise on Black history and music to an important new project: Carnegie Hall's Timeline of African American Music, a digital resource that, \_\_\_\_\_ text and music clips, traces the history of specific musical genres (such as funk and swing).

49

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) integrates
- B) is integrating
- C) integrating
- D) has integrated

Bounce and Tubarao are the unofficial names of two small yet notable rocks found on Mars by the Opportunity rover. After touching down on January 25, 2004, the rover spent over fourteen years \_\_\_\_\_ data while on the red planet.

50

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is collecting
- B) collecting
- C) were collecting
- D) collected

Pomo artist Susan Billy creates elaborate baskets. She typically \_\_\_\_\_ them from willow and sedge.

51

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) weaving
- B) weaves
- C) to weave
- D) to be weaving

The algaita is a double reed wind instrument from West Africa. The reed of a wind instrument is the mouthpiece \_\_\_\_\_. A double reed contains two pieces of cane that vibrate and produce sound as air passes between them.

52

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) where is sound made.
- B) where sound is made?
- C) where sound is made.
- D) where is sound made?

In her large-scale sculpture Casa-Isla, artist Edra Soto included references to her childhood in Puerto Rico. For example, the sculpture's steel panels have a crisscrossing pattern inspired by the iron gates \_\_\_\_\_

53

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Soto would see in her neighborhood?
- B) would Soto see in her neighborhood?
- C) would Soto see in her neighborhood.
- D) Soto would see in her neighborhood.

As an object-oriented computer programming language, Perl is used by coders like Black Girls Code founder Kimberly Bryant \_\_\_\_\_ programs by manipulating "objects" (that is, specifically defined variables or combinations of variables) into interacting with each other. Conversely, Pascal, used in software development and educational instruction, is not an object-oriented language.

54

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) create
- B) to create
- C) created
- D) is creating

Anthony van Dyck, a Flemish mannerist painter whose works are distinctive for their precise yet exaggerated details, \_\_\_\_\_ frequently included in the seventeenth-century art movement the Antwerp School, whose members were known for depicting rural life in the Low Countries.

55

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) have been
- B) are
- C) were
- D) is

Recognized as a National Heritage Area by the United States Congress in 1996, the Rivers of Steel National Heritage Area \_\_\_\_\_ a region of Pennsylvania that has long been known for its unique natural, cultural, and historical attributes.

56

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) was
- B) will have been
- C) had been
- D) is

As a behavioral economist, Francesca Gino of Harvard Business School examines human economic behavior through a lens that, \_\_\_\_\_ elements of psychology and economics, illuminates how and why (and to what effect) people make particular choices.

57

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) combines
- B) combine
- C) combining
- D) is combining

Entomologists Yash Sondhi and Samuel Fabian have tried to explain why moths fly erratically around light sources at night. Knowing that flying insects keep their backs pointed toward sunlight during the day, \_\_\_\_\_

58

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) the researchers theorize that moths, mistaking nighttime lights for the Sun, continually try to reorient their bodies while flying near such lights.
- B) the researchers' theory is that moths mistake nighttime lights for the Sun, continually trying to reorient their bodies while flying near such lights.
- C) moths continually try to reorient their bodies while flying near nighttime lights, the researchers theorize, mistaking such lights for the Sun.
- D) moths mistake nighttime lights for the Sun and continually try to reorient their bodies while flying near such lights, the researchers theorize.

Albania, Hungary, and the other member nations of the North Atlantic Treaty Organization, or NATO, share a commitment to the principle of collective defense, each NATO member \_\_\_\_\_ to defend the others if necessary.

59

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has pledged
- B) pledges
- C) is pledging
- D) pledging



A painting by 19th-century artist Katsushika Hokusai, \_\_\_\_\_

60

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) deeper thematic meaning is conveyed to viewers of The Great Wave off Kanagawa through visual allegory.
- B) The Great Wave off Kanagawa's deeper thematic meaning is conveyed to viewers through visual allegory.
- C) visual allegory allows The Great Wave off Kanagawa to convey its deeper thematic meaning to viewers.
- D) The Great Wave off Kanagawa employs visual allegory to convey its deeper thematic meaning to viewers.

As comet C/1911 N1 (Kiess) orbits the Sun, it is trailed by a stream of rocky particles. When Earth passes through this meteoroid stream each year, typically between August 28 and September 5, the 66-kilometer-per-second collision between these meteoroids and atmospheric gases \_\_\_\_\_ streaks of light in the sky—the Aurigid meteor shower.

61

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) produces
- B) are producing
- C) produce
- D) have produced

Released in 1996, the AMD K5 microchip contained a single CPU, or core, to execute commands. The invention of the dual-core chip in the early 2000s led to a seismic shift in processing power. Since then, the average processing power of microchips—whose cores can number in the dozens, hundreds, or even thousands—\_\_\_\_\_ drastically

62

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has improved
- B) have improved
- C) have been improving
- D) are improving

Robert Morris's image was printed on \$1,000 US banknotes in 1862, making the former US superintendent of finance one of many nonpresidents \_\_\_\_\_ on US currency.

63

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) to appear
- B) appears
- C) did appear
- D) had appeared

Wisconsin, \_\_\_\_\_ 1,372 feet in elevation, reaches its highest point at Timms Hill.

64

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) spans
- B) spanning
- C) span
- D) spanned

In knot theory (the mathematical study of curved, closed loops), knots are characterized by their crossing numbers—that is, the number of times the knotted thread crosses over itself. The trefoil knot and the figure-eight knot, each with a crossing number below five, \_\_\_\_\_ among the simplest possible knots with the fewest number of crossings.

65

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) was
- B) is
- C) has been
- D) are

Latvia, Greece, and the other member nations of the North Atlantic Treaty Organization, or NATO, share a commitment to the principle of collective defense, each NATO member \_\_\_\_\_ to defend the others if necessary.

66

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has pledged
- B) pledging
- C) pledges
- D) is pledging

Often anthologized alongside the \_\_\_\_\_ associated with the Black Arts movement—such as Henry Dumas and Ntozake Shange—Haki Madhubuti's poem "Quality: Gwendolyn Brooks at 73" stands out for its memorable first lines: "breath, / life after seven decades plus three years / is a lot of breathing."

67

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) works of other writer's
- B) work's of other writer's
- C) works of other writers
- D) work's of other writers

When a given industry—water and electricity are two well-known examples—carries high infrastructural start-up costs and other barriers that discourage competition, \_\_\_\_\_ of just one or two suppliers per municipality. Such industries are known as natural monopolies.

68

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) they often consist
- B) this often consists
- C) these often consist
- D) it often consists

On the other hand, Kansas City International Airport, which \_\_\_\_\_ located in Kansas City, Missouri, saw an overall increase in departing passengers over the same time period, from 4,891,704 total passengers to 5,759,138.

69

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is
- B) are
- C) were
- D) have been

The fact that many even-toed ungulates, including the Bawean deer (*Axis kuhlii*) and the south Andean deer (*Hippocamelus bisulcus*), meet the population criteria for endangered status validates the need for interventions that can prevent \_\_\_\_\_ from joining the ranks of the extinct.

70

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) the animal
- B) these animals
- C) this animal's
- D) these animals'

Tarawa, with a population of roughly 30,000 people, \_\_\_\_\_ home to an impressive 29 percent of Kiribati's total population.

71

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) are
- B) are being
- C) is
- D) have been

Featuring jagged peaks of black ink surrounded by hazy swirls of blue and green paint, Zhang Daqian's 1983 painting *Panorama of Mount Lu* is inspired by the tradition of *qinglu shanshui*, a type of Chinese landscape painting

\_\_\_\_\_ by the use of blue and green hues to depict ethereal, otherworldly landscapes.

72

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) characterized
- B) is characterized
- C) has been characterized
- D) will be characterized

In her work, Bay of Quinte Mohawk artist Hannah Claus uses suspended sculptural installations to explore themes such as time, place, and nature. The Eiteljorg Museum counts pieces by Claus in \_\_\_\_\_ impressive collection of Native artworks.

73

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) her
- B) it's
- C) its
- D) their

Recent pollen analyses of the Aran Islands have led some researchers to propose that the now treeless islands were once wooded. This hypothesis \_\_\_\_\_ that certain trees, such as *P. sylvestris*, survived without interruption or human intervention throughout the Holocene cannot stand, researchers Michael O'Connell and Karen Molloy counter, unless other explanations can first be ruled out.

74

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) suggested
- B) has suggested
- C) suggesting
- D) suggests

The Seljuk Empire, which reigned in central Asia from around 1037 CE to 1194 CE, benefited from trade with other societies; its merchants exported cotton, silk, and fruit and \_\_\_\_\_ other valuable commodities, such as gold, silver, and agate, which were then traded locally.

75

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) importing
- B) having imported
- C) to import
- D) imported

Sofia, with a population of roughly 1.3 million people, \_\_\_\_\_ home to an impressive 15 percent of Bulgaria's total population.

76

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is
- B) are
- C) are being
- D) have been

Most US states and territories have had at least one woman serve as governor. In Nebraska, for example, Governor Kay A. Orr took office on January 9, 1987. In fact, the number of states and territories that have had only male governors \_\_\_\_\_ almost every year.

77

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) shrinks
- B) shrink
- C) are shrinking
- D) have been shrinking



Trade with other societies was vital to the Byzantine Empire, which reigned in the Mediterranean from around 330 CE to 1453 CE. Its people profited by selling salt, textiles, and iron, items that \_\_\_\_\_ greatly in demand.

78

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has been
- B) were
- C) was
- D) is

In her work as a sociocultural anthropologist, Livia Barbosa studies food and sociability in contemporary Brazil—namely, how common Brazilian foods like tareco (a disk-shaped biscuit) and coxinha (a stuffed fried dough) \_\_\_\_\_ as central mechanisms in building social relationships, values, and identities.

79

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is functioning
- B) functions
- C) has functioned
- D) function

Contrasting a high saturation color palette against dark paper and stoneware, Atlanta-based artist Jiha Moon creates fused pieces, wherein Korean folk art, Western contemporary art, and global popular culture mix. New York's Derek Eller Gallery \_\_\_\_\_ her work in a solo exhibition that ran in early 2022.

80

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) features
- B) has been featured
- C) featured
- D) will feature

In the list "Things That Arouse a Fond Memory of the Past" from Sei Shōnagon's Pillow Book, the author delights in pressed silk, a moonlit night, and dried hollyhock. So shrewd an observer is Shōnagon, a lady-in-waiting to Empress Teishi, that her book's musings on tenth-century Japanese courtly life \_\_\_\_\_ readers a thousand years later.

81

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has fascinated
- B) fascinates
- C) fascinate
- D) is fascinating

The present-day city of Yoshkar-Ola, Russia, was the capital of the Mari Autonomous Soviet Socialist Republic, one of many nominally autonomous republics within the Soviet Union. Each of these republics \_\_\_\_\_ established along ethnolinguistic lines: most residents of the Mari Republic spoke Mari, for example.

82

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) have been
- B) are
- C) were
- D) was

An emulsifier is a type of compound that serves to stabilize an emulsion—a mixture of two or more liquids that otherwise would not easily blend together. In the cosmetics industry, emulsifiers such as stearyl alcohol \_\_\_\_\_ to blend oil and water into homogeneous formulations, like lotions and perfumes.

83

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) employed
- B) being employed
- C) are employed
- D) that they employ

The Akhundov National Library in Baku houses many historical newspapers, but it isn't necessary to travel to Baku to access them. Because these rare items are digitized, people around the world can access \_\_\_\_\_ regardless of where they live.

84

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) it
- B) them
- C) this
- D) that

The constitution of Spain, enacted in 1978, enshrines 60 total rights across 17,608 words of text. According to constitutional scholar George Tsebelis, who examines the implications of constitutional length on civil rights, \_\_\_\_\_ 105th in a global ranking of the shortest constitutions.

85

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) its
- B) it's
- C) they're
- D) their

Many works of the Roman historian Suetonius (1st century CE), including his book on miscellaneous topics, *Pratum*, have been lost to time. Antiquarians \_\_\_\_\_ to read one of Suetonius's extant works—not one known only through references to it by other authors, that is—might instead procure a copy of his *De vita caesarum*, a biography of the Roman Empire's first leaders.

86

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) hope
- B) hoped
- C) hoping
- D) have hoped

In the periodic table, an element's atomic number indicates how many protons there are in an atom of the element. For example, a helium atom \_\_\_\_\_ 2 protons. Professor Raymond Chang explains this concept in more detail in the textbook Chemistry.

87

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has had
- B) has
- C) is having
- D) had

Directed by the Mohawk filmmaker Tracey Deer, the feature-length drama Beans is one of many films by Indigenous women \_\_\_\_\_ featured in film festivals in recent years.

88

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) to have been
- B) were being
- C) had been
- D) are being

The length of bird eggs varies widely across species, and an ecological \_\_\_\_\_ compared the lengths of eggs produced by different bird species found *Holiastur indus* eggs to be longer, on average, than *Calidris alpina* eggs.

89

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) study, that
- B) study
- C) study that
- D) study which,

The Suzuki method is an approach to music instruction \_\_\_\_\_ to teach music in the same natural way children learn language, emphasizes playing instruments from a very young age. In Suzuki cello instruction, students begin their musical education with simple classical pieces like Robert Schumann's "The Two Grenadiers."

90

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) that is aiming
- B) that has aimed
- C) that, aiming
- D) that aims

After he finally watched *The Maltese Falcon* (1941) at last year's annual film festival, the infamously disagreeable film critic wrote a scathing review. Before that, the film he least enjoyed \_\_\_\_\_ the more recent classic *Slumdog Millionaire* (2008).

91

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has been
- B) had been
- C) is
- D) was being

Mathematician Grigori Perelman, sometimes in conjunction with mathematicians Richard S. Hamilton and Shing-Tung Yau, \_\_\_\_\_ credited with proving the Poincaré conjecture. Having built on Hamilton's previous work to solve the proof, Perelman has insisted that Hamilton receive credit. Yau later found and closed gaps in Perelman's proof, persuading some mathematicians that he deserves credit as well.

92

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is
- B) have been
- C) are
- D) are being

The parks of San Jose, California, seem to be making people happier. In a 2022 study, researchers \_\_\_\_\_ for a relationship between the physical location in which a social media post was created and the content of that post analyzed geotagged social media posts from San Jose. The team found that posts from the city's parks contained more words associated with happiness than other posts did.

93

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) were looking
- B) looked
- C) looking
- D) had looked

Objects orbiting in the outer solar system between Jupiter and Neptune, such as 2010 BL4, a 16-kilometer-wide body first detected in 2010, \_\_\_\_\_ both asteroidal and comet-like characteristics, being closer in size and appearance to asteroids but travelling in an elliptical orbit more closely resembling that of comets.

94

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) exhibits
- B) exhibit
- C) is exhibiting
- D) has exhibited

In the 1960s, Greece, Malta, and dozens of other countries were allocated unique country dialing codes to route international calls. Most of the original two- or three-digit codes \_\_\_\_\_ by International Telegraphs and Telephone Consultative Committee later changed in response to geopolitical circumstances or telecommunication needs.

95

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) were assigned
- B) had been assigned
- C) assigned
- D) would be assigned



Increased gender diversity is revitalizing the field of economies, according to Harvard's Claudia Goldin. The trailblazing accomplishments of Goldin, winner of the 2023 Nobel Prize in Economics for her work on women in the labor force, \_\_\_\_\_ to the value of scholars of diverse backgrounds in spurring research into previously unexplored, but vitally important, topics.

96

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) attests
- B) attest
- C) has attested
- D) is attesting

In the late nineteenth and early twentieth centuries, automobiles were commonly referred to as horseless carriages after the older technology they still resembled. Known as the Brass Era, this period in automotive design is remembered for its grandeur and artistry; its vehicles \_\_\_\_\_ by collectors for their ornate detailing and gleaming brass fittings.

97

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) highly prized
- B) had been highly prized
- C) are highly prized
- D) were highly prized

Analyst, like other dactyls that pair exclusively with one other word (e.g., "fortify" and "mortify"), \_\_\_\_\_ with "panelist" to form a closed rhyming pair.

98

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) couple
- B) are coupled
- C) couples
- D) have coupled

The Byzantine Empire, which reigned in the Mediterranean from around 330 CE to 1453 CE, benefited from trade with other societies: its merchants exported salt, textiles, and iron and \_\_\_\_\_ other valuable commodities, such as silk, grain, and spices, which were then traded locally.

99

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) to import
- B) imported
- C) importing
- D) having imported

In the 1960s, Sweden, Bulgaria, and dozens of other countries were allocated unique country dialing codes to route international calls. Most of the original two- or three- digit codes \_\_\_\_\_ by the International Telegraph and Telephone Consultative Committee later changed in response to geopolitical circumstances or telecommunications needs.

100

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) assigned
- B) would be assigned
- C) had been assigned
- D) were assigned

The parks of Chicago, Illinois, seem to be making people happier. In a 2022 study, researchers \_\_\_\_\_ for a relationship between the physical location in which a social media post was created and the content of that post analyzed geotagged social media posts from Chicago. The team found that posts from the city's parks contained more words associated with happiness than other posts did.

101

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) looking
- B) were looking
- C) looked
- D) had looked

Upper Fruitland Chapter is one of the 110 chapters of the Navajo Nation (Naabeehó Bináhásdzo). The chapter, whose boundaries encompass 83,400 acres, \_\_\_\_\_ known as Doo Alk'ai in the Navajo language (Diné bizaad).

102

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) are
- B) have been
- C) were
- D) is

Alabama resident Benjamin S. Turner, sworn in as a member of the US House of Representatives in 1871, was one of the nearly two thousand African \_\_\_\_\_ during the decade following the Civil War.

103

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Americans' who won elections'
- B) Americans who won election's
- C) American's who won elections
- D) Americans who won elections

Proto-Kru is a protolanguage, or a hypothesized ancestral language, of all the Kru languages (thirty-eight languages that, because \_\_\_\_\_ descendants of Proto-Kru, can provide information about the protolanguage's structure).

104

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) its
- B) they're
- C) their
- D) it's

Although the epic poem The Aeneid dates back to the 1st century BCE, \_\_\_\_\_ compelling narrative still captivates readers today.

105

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) their
- B) they're
- C) its
- D) it's

Neoclassical economic models assume that people consistently make rational economic decisions, but Francesca Gino of Harvard Business School makes no such assumption; behavioral economists such as Gino, whose research focuses on worker productivity, \_\_\_\_\_ that economic decision-making can in fact be highly irrational.

106

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) contend
- B) is contending
- C) has contended
- D) contends

The Greek dramatist Euripides's Cyclops, a satyr play, is an extant work: it can still be read. By contrast, lost works like Euripides's play about the hero Alcmaeon, Alcmaeon in Psophis – no copy of which exists – \_\_\_\_\_ known to antiquarians only through references in extant works.

107

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) have become
- B) becomes
- C) has become
- D) is becoming

Miniature Self-Portrait (1556) is one of dozens of remaining works by Sofonisba Anguissola. Currently, her painting \_\_\_\_\_ at the Museum of Fine Arts in Boston, where visitors can view the Italian Renaissance artist's work on display.

108

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) will have hung
- B) hangs
- C) hung
- D) was hanging

The human foot contains a variety of skeletal muscles, each playing an important role in the foot's healthy movement. The extensor digitorum brevis, which is attached to the calcaneus, \_\_\_\_\_ responsibility for extending the middle toes.

109

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) bearing
- B) to bear
- C) bears
- D) having borne

Louisiana resident Oscar James Dunn, one of the nearly two thousand African Americans elected to public office during the decade that followed the Civil War, \_\_\_\_\_ his term as lieutenant governor in 1868.

110

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) to begin
- B) having begun
- C) beginning
- D) began

Nanoengineers have developed synthesized cerium oxide nanoparticles that are used to improve treatments for certain conditions related to oxidative stress. As nanotechnology evolves, medical technology \_\_\_\_\_ to evolve as well.

111

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) had likely been continuing
- B) will likely continue
- C) would likely have continued
- D) had likely continued

Navajo artist Sally Black's mastery of traditional weaving techniques is apparent in her expertly crafted baskets, which typically are woven from sumac (a textured and flexible material) and \_\_\_\_\_ bold colors.

112

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) feature
- B) had featured
- C) were featuring
- D) featured

Most conifers (plants that grow cones, such as pines, firs, and spruces) are evergreen, meaning that they keep live foliage year-round. The tamarack tree (*Larix laricina*), however, is a deciduous conifer, meaning that it regularly \_\_\_\_\_ all its needles.

113

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) shed
- B) have shed
- C) sheds
- D) shedding



The constitution of Australia, enacted in 1901, enshrines 11 total rights across 17,318 words of text. According to constitutional scholar George Tsebelis, who examines the implications of constitutional length on civil rights, \_\_\_\_\_ 102nd in a global ranking of the shortest constitutions.

114

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) they're
- B) their
- C) it's
- D) its

The fungus *Scleroderma citrinum*, commonly referred to as common earthball, is known to establish ectomycorrhizal bonds with certain oak tree species; in many cases, such symbiotic relationships, where in fungal hyphae make contact with the oak's root system, \_\_\_\_\_ extensive networks, which can be used to transport nutrients between trees.

115

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) to form
- B) having formed
- C) form
- D) forming

Many Farms Chapter is one of the 110 chapters of the Navajo Nation (Naabeehó Binahasdzó). The chapter, known as Da'ak'eh Halani in the Navajo language (Diné bizaad), was the subject of a profile \_\_\_\_\_ in the Navajo Times on August 22, 2013.

116

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) appearing
- B) has appeared
- C) appeared
- D) appears

Working with equipment designed for a billionths of a meter scale,\_\_\_\_\_

117

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) nanoengineers have synthesized silica nanoparticles that are used to administer medicines to specific cells in the body.
- B) nanoengineers synthesized silica nanoparticles are used to administer medicines to specific cells in the body.
- C) silica nanoparticles that have been synthesized by nanoengineers are used to administer medicines to specific cells in the body
- D) synthesized silica nanoparticles used to administer medicines to specific cells in the body have been created by nanoengineers.

The parks of Austin, Texas, seem to be making people happier. In 2022, a team of researchers \_\_\_\_\_ to find connections between the physical location in which a social media post was created and the content of that post analyzed geotagged social media posts from various sites in Austin. The team found that posts from the city's parks contained more words associated with happiness than did the other posts.

118

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) were hoping
- B) hoped
- C) was hoping
- D) hoping

Creek Council Tree (1967) and Cimarron Iron Bridge (1972) are two oil landscape paintings by renowned Pawnee Nation artist Brummett Echohawk. In 2023, \_\_\_\_\_ displayed alongside other works by Echohawk at the student-curated exhibition Brummett Echohawk: An Artist's Journey at the Oklahoma State University Museum of Art.

119

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) they were
- B) this was
- C) it was
- D) some were

The Grootbos florilegium in South Africa contains a collection of botanical paintings, with each painting depicting a local plant species in exquisite detail. The florilegium includes a vignette painting by contributing artist Sibonelo Chiliza. Unlike most paintings in the florilegium, \_\_\_\_\_

120

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Chiliza contextualizes a plant within an ecosystem in his vignette.
- B) the contextualization of a plant within an ecosystem occurs in Chiliza's vignette.
- C) a plant's ecosystem is contextualized in Chiliza's vignette.
- D) Chiliza's vignette contextualizes a plant within an ecosystem.

If an animal can recognize itself in a reflective surface ("the mirror test"), it is considered to have self-awareness. In a recent study, scientists \_\_\_\_\_ for evidence of self-awareness in snakes, species that rely primarily on olfactory rather than visual processing, adapted the test to foreground smell, modifying the scent trails of North American eastern garter snakes and African ball pythons.

121

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) searched
- B) were searching
- C) have searched
- D) searching

The parks of Columbus, Ohio, seem to be making people happier. In 2022, a team of researchers \_\_\_\_\_ to find connections between the physical location in which a social media post was created and the content of that post analyzed geotagged social media posts from various sites in Columbus. The team found that posts from the city's parks contained more words associated with happiness than did the other posts.

122

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) were hoping
- B) was hoping
- C) hoped
- D) hoping

We came to see the famous artworks inside the Museo Soumaya in Mexico City, yet the building itself \_\_\_\_\_ us the most. The building, we later learned, had been designed by Mexican architect Fernando Romero in 2011.

123

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) to impress
- B) have impressed
- C) impressed
- D) impressing

Alicia Pérez-Porro, whose research focuses mainly on sea sponges, \_\_\_\_\_ as a biologist at the Smithsonian Institution.

124

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) work
- B) works
- C) are working
- D) have worked

On the 2021 '100 Best Jobs' list published by U.S. News & World Report, lawyers, ranked thirty-eighth, were projected \_\_\_\_\_ an impressive 32,300 new jobs between 2019 and 2029. In contrast, the projection for optometrists was 1,900.

125

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) are gaining
- B) to gain
- C) had gained
- D) gains

As an object-oriented computer programming language, Java is used by coders like Black Girls Code founder Kimberly Bryant

\_\_\_\_\_programs by manipulating 'objects' (that is, specifically defined variables or combinations of variables) into interacting with each other. Conversely, S-Lang, used in software development and scripting, is not an object-oriented language.

126

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) created
- B) create
- C) is creating
- D) to create

Miniature Self-Portrait (1556) is one of dozens of remaining works by Sofonisba Anguissola.

Currently, her painting \_\_\_\_\_ at the Museum of Fine Arts in Boston, where visitors can view the Italian Renaissance artist's work on display.

127

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) have hung
- B) hangs
- C) hung
- D) was hanging

The human foot contains a variety of skeletal muscles, each playing an important role in the foot's healthy movement. The extensor digitorum brevis, which is attached to the calcaneus, \_\_\_\_\_responsibility for extending the middle toes.

128

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) bearing
- B) to bear
- C) bears
- D) having borne

Louisiana resident Oscar James Dunn, one of the nearly two thousand African Americans elected to public office during the decade that followed the Civil War, \_\_\_\_\_ his term as lieutenant governor in 1868.

129

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) to begin
- B) having begun
- C) beginning
- D) began

Although the epic poem *The Poem of the Cid* dates back to the 12th century, \_\_\_\_\_ compelling narrative still captivates readers today.

130

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) they're
- B) its
- C) their
- D) it's

Neoclassical economic models assume that people consistently make rational economic decisions, but Laura Gee of Tufts University makes no such assumption; behavioral economists such as Gee, whose research focuses on charitable giving, \_\_\_\_\_ that economic decision-making can in fact be highly irrational.

131

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has contended
- B) contends
- C) is contending
- D) contend



The Roman poet Lucan's *Pharsalia*, an epic poem about Julius Caesar, is an extant work: it can still be read. By contrast, lost works like Lucan's poem praising Emperor Nero, *Laudes Neronis*—no copy of which exists—

\_\_\_\_\_ known to antiquarians only through references in extant works.

132

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) have become
- B) is becoming
- C) has become
- D) becomes

In their attempt to create a quantum random number generator, K. Muhammed Shafi et al. used a continuous-wave diode laser to fire photons at a periodically-poled potassium titanyl phosphate (PPKTP) nonlinear crystal. A plano-convex lens \_\_\_\_\_ the laser on the center of the 10-millimeter long crystal ensured a spot size (a measure of the beam's diameter) of 85 micrometers.

133

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) focused
- B) focuses
- C) focusing
- D) focus

Round Rock Chapter is one of the 110 chapters of the Navajo Nation (Naabeehó Bináhásdzo). The chapter, known as Tsé Nikání in the Navajo language (Diné bizaad), was the subject of a profile \_\_\_\_\_ in the Navajo Times on February A3, 2014.

134

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) appeared
- B) appearing
- C) appears
- D) has appereaded

Legal scholars James Melton and Tom Ginsburg's analysis of de jure judicial independence and its growth over decades \_\_\_\_\_ six constitutional features that enhance such independence, including judicial tenure and selection procedure. Romania's constitution contains one of these features.

135

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) have identified
- B) identifies
- C) are identifying
- D) identify

The words "utopia" and "nerd" both trace \_\_\_\_\_ origins to books. "Utopia" first appears in *Utopia* by Sir Thomas More, and "nerd" first appears in *If I Ran the Zoo* by Dr. Seuss.

136

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) there
- B) it's
- C) their
- D) they're

With an average summer temperature of 61 degrees Fahrenheit, Moscow is one European \_\_\_\_\_ many travelers recommend, especially from June to September.

137

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) city, that
- B) city, which
- C) city in which,
- D) city that

An upcoming exhibition will showcase Vincent van Gogh's drawing The Spire of the Church of Our Lady, which Van Gogh \_\_\_\_\_ in the city of Nuenen nearly 150 years ago.

138

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) will complete
- B) has been completing
- C) completed
- D) is completing

Mitochondrial genomes reproduce asexually, which should over time result in an accumulation of harmful mutations and a decline in mitochondrial functionality. However, nuclear genes are hypothesized to coevolve with the rate of mitochondrial decline, eliminating mutational erosion. Such a compensatory measure \_\_\_\_\_ the organelle's decline, unlike enzyme-stabilizing accessory proteins, offers an evolutionary explanation of mitochondrial reproduction.

139

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) counteracts
- B) had counteracted
- C) counteracted
- D) counteracting

In the list "Adorable Things" from Sei Shonagon's Pillow Book, the author delights in baby sparrows, a face drawn on a melon, and a young courtier in ceremonial garb. So shrewd an observer is Shonagon, a lady-in-waiting to Empress Teishi, that her book's musings on tenth-century Japanese courtly life \_\_\_\_\_ readers a thousand years later.

140

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has fascinated
- B) fascinates
- C) is fascinating
- D) fascinate

Both Pontianak, Indonesia, and Manta, Ecuador, are located at less than one degree latitude. In other words, \_\_\_\_\_ cities basically sit right on the equator!

141

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) these
- B) each
- C) that
- D) this

An upcoming exhibition will showcase Vincent van Gogh's drawing *Sale of Building Scrap*, which Van Gogh \_\_\_\_\_ in the city of Nuenen nearly 150 years ago.

142

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has been completing
- B) is completing
- C) will complete
- D) completed

The rough frog is a species of amphibian native to Australia. Currently, the frog's range \_\_\_\_\_ parts of northern New South Wales and southeastern Queensland.

143

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) has included
- B) will have included
- C) includes
- D) included

In his 2011 book, historian Sebouh David Aslanian quantifies the reading patterns of early modern Armenian merchants from New Julfa. Aslanian's macroanalysis \_\_\_\_\_ nearly 1,000 book titles published between 1512 and 1800 shows not only the steady popularity of religious texts but also a broadening interest in secular books, especially those on history and geography.

144

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) had examined
- B) examining
- C) examined
- D) exmaines

The Proto-Atlantic-Congo language, common ancestor of 1,453 African languages with similar linguistic properties, \_\_\_\_\_ like all protolanguages, hypothetical: there's no direct evidence these ancestral languages actually existed.

145

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) were
- B) is
- C) are
- D) have been

Museo Castillo Serrallés, a history museum in Ponce, Puerto Rico, is one of more than eighty museums in the US territory. Puerto Rico museums \_\_\_\_\_ visitors about everything from the territory's history to its architecture to its coffee.

146

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) inform
- B) informing
- C) to inform
- D) having informed

In May of 1959, the song "Danny Boy" was a top-ten hit. Having climbed the charts for ten weeks, \_\_\_\_\_ ranked No. 1 on the Billboard Hot 100 list of most popular songs.

147

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) those
- B) they
- C) each
- D) it

A worker cooperative is a business that is owned and operated by its workers. This model stands in contrast to traditional models in which a smaller group of owners controls a company. Because the profits made by a cooperative are shared by all workers—who are also owners—the workers \_\_\_\_\_ directly from its success.

148

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) benefit
- B) had benefited
- C) benefited
- D) were benefiting

In a US national election, one might expect major-party campaigns to focus on the most populous states. However, if polls and past voting data suggest that the outcome in a given state is a foregone conclusion, a campaign will not invest its resources there. Ultimately, a state's voting record and polling data, not its population size, \_\_\_\_\_ its importance to campaigns.

149

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) determines
- B) has determined
- C) determining
- D) determine



After much debate, \_\_\_\_\_ finally made a decision: the judges for the 1912 Nobel Prize in Literature would award Gerhart Johann Robert Hauptmann of Germany with that year's prize "for his fruitful, varied and outstanding production in the realm of dramatic art".

150

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) it
- B) they
- C) you
- D) anyone

In June of 2005, the song "Pon de Replay" was a top-ten hit. Having climbed the charts for twenty-six weeks, \_\_\_\_\_ ranked No. 2 on the Billboard Hot 100 list of most popular songs.

151

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) they
- B) it
- C) each
- D) those

In recent years, the English writer Ann Yearsley (1753-1806), whose poetry was widely read during her lifetime, has been rediscovered by contemporary audiences—a resurgence of interest that is largely due to literary scholars such as Stacey McDowell, whose work \_\_\_\_\_ the richness of Yearsley's poems and the poet's historical importance to the Romantic literary movement encourages a broader rethinking of British Romanticism itself.

152

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) highlights
- B) highlighting
- C) has highlighted
- D) is highlighting

In June of 1966, the song "I Need Love" was a top-ten hit. Having climbed the charts for six weeks, \_\_\_\_\_ranked No. 4 on the Billboard Hot 100 list of most popular songs.

153

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) those
- B) they
- C) each
- D) it

In a list titled "Elegant Things" from Sei Shōnagon's Pillow Book, the author delights in a violet waistcoat, wisteria blossoms, and a child eating strawberries. Such lists, observed sharply yet simply by Shonagon, who served as a lady-in-waiting to Empress Teishi in the tenth century, \_\_\_\_\_the daily minutiae of Japanese courtly life.

154

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) reveals
- B) was revealing
- C) to reveal
- D) reveal

Categorized as a dactyl, the word "gradient" consists of one stressed syllable followed by two unstressed syllables. The word "harpist," by comparison, consists of one stressed syllable followed by one unstressed syllable, a metrical foot \_\_\_\_\_ to in English metrical verse as a trochee.

155

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) referred
- B) is referred
- C) referring
- D) refers

Having trained as astronauts for years,  
\_\_\_\_\_

156

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) August 2, 1991, was when space shuttle Atlantis took flight with five crew members aboard.
- B) it was August 2, 1991, when five crew members took flight aboard space shuttle Atlantis.
- C) five crew members took flight aboard space shuttle Atlantis on August 2, 1991.
- D) space shuttle Atlantis took flight on August 2, 1991, with five crew members aboard.

In the Persian language, people commonly begin a folktale with a phrase that roughly translates to "there was and there was not." In English, beginning with the phrase "once upon a time" is common. Indeed, how a folktale begins depends largely on the language in which \_\_\_\_\_ being told

157

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) they were
- B) these are
- C) they are
- D) it is

Enacted in 1868, Luxembourg's 5,601-word constitution, in contrast to Canada's, which was enacted in 1867 and contains a far greater number (19,565) of words, \_\_\_\_\_ as the 9th shortest in the world. Such data are studied by constitutional scholars like Giovanni Sartori, who can use them to draw broader conclusions.

158

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) rank
- B) are ranking
- C) ranks
- D) have ranked

The historian's books about Millard Fillmore \_\_\_\_\_ what she is best known for, but she is also well regarded for her scholarship on Thomas Jefferson.

159

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is
- B) are
- C) has been
- D) was

Disyllabic words \_\_\_\_\_ as trochees in English metrical verse, such as "eyebrow" and "mascot," consist of one stressed syllable followed by one unstressed syllable.

160

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) have been classified
- B) can be classified
- C) are classified
- D) classified

As the exoplanet 81 Ceti b orbits a star 330 light-years from Earth, the exoplanet's gravity causes the star to wobble. In 2008, astronomers \_\_\_\_\_ this wobble through shifts in the color of the star's spectral light—blueshifts indicating longer wavelengths and movement toward the observer, redshifts shorter wavelengths and movement away— deduced that the fluctuation was caused by the gravitational force of a previously undetected exoplanet.

161

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) perceived
- B) had perceived
- C) were perceiving
- D) perceiving

On February 1, 2018, a Florida—based research team—Martha A. Scholl, Maoya Bassiouni, and Angel J. Torres-Sánchez—compiled climate data from several sites in Puerto Rico’s Luquillo Mountains. At site CC1, the site with the highest elevation, the air temperature fluctuated slightly throughout the day, registering \_\_\_\_\_ and 16°C at 5:00 p.m.

162

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 15.4°C at 1:00 a.m., 18.6°C at 11:30 a.m.
- B) 15.4°C at 1:00 a.m.; 18.6°C at 11:30 a.m.,
- C) 15.4°C, at 1:00 a.m. 18.6°C, at 11:30 a.m.
- D) 15.4°C at 1:00 a.m., 18.6°C at 11:30 a.m.,

When we arrived in Venice, Utah, we \_\_\_\_\_ a large hillside geoglyph of the letter V. Later that day, our hosts remarked that such geoglyphs are quite common in the state.

163

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) notice
- B) are noticing
- C) will notice
- D) noticed

Koumanthio Zeinab Diallo, born in 1956, is a poet and novelist from Labé, Guinea. In recent years more writers from Guinea, including Diallo, \_\_\_\_\_ to reach audiences beyond the African nation’s borders.

164

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is beginning
- B) has begun
- C) have begun
- D) begins

Among the world's largest deserts are the Syrian Desert, ranked \_\_\_\_\_ and the Chalbi Desert, ranked twenty-ninth.

165

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) ninth in size, the Kyzylkum Desert; ranked sixteenth,
- B) ninth in size; the Kyzylkum Desert, ranked sixteenth;
- C) ninth in size the Kyzylkum Desert, ranked sixteenth
- D) ninth in size; the Kyzylkum Desert; ranked sixteenth;

Was the Greek mythological figure Dionysus, god of wine and the theater, based on a real person? That was the question posed by the writer Euhemerus (fourth century BCE). Euhemerus claimed that Dionysus and the other Greek deities were based on real-life heroes or leaders, tales of whose exploits, told and retold over time, \_\_\_\_\_ myths—a position later known as euhemerism.

166

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) having eventually become
- B) eventually became
- C) to eventually become
- D) eventually becoming

In 19th-century Bengal, cowry shells were used as a commodity currency. By using specific goods like cowry shells as common units of exchange, commodity currency economies streamline trade, which is why they often replaced barter economies. Barter economies eschew \_\_\_\_\_ that requires what economist W.S. Jevons deems a "double coincidence of wants"—in other words, each trading party must want precisely what the other has.

167

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) currency, in favor of a direct trade system
- B) currency—in favor of a direct trade system
- C) currency in favor of a direct trade system
- D) currency, in favor of a direct trade system,

In economics, soybeans are considered a commodity because they are essentially interchangeable, "essentially" being a word that admits a degree of latitude. In 2021, researchers J. Shorish, M. Stephenson, and M. Zargham devised a mathematical model of fungibility (interchangeability) that would account for such variation. Distinguishing "exactly the same" and "nearly the same" commodities—whether crops, lumber, or precious metals— \_\_\_\_\_ among their primary aims.

168

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) were
- B) was
- C) having been
- D) being

In recent years, the English writer Mary Ann Browne (1812-1845), whose poetry was widely read during her lifetime, has been rediscovered by contemporary audiences—a resurgence of interest that is largely due to literary scholars such as Adriana Craciun, whose work \_\_\_\_\_ the richness of Browne's poems and the poet's historical importance to the Romantic literary movement encourages a broader rethinking of British Romanticism itself.

169

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) highlights
- B) highlighting
- C) has highlighted
- D) is highlighting

The extensive impact that polymeric nanoparticles (PNPs) have had on medicine belies their minuscule size, the nanoparticles typically \_\_\_\_\_ from only 100 to 300 billionths of a meter.

170

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) range
- B) can range
- C) ranging
- D) will range



In the periodic table, an element's atomic number indicates how many protons there are in an atom of the element. For example, a calcium atom \_\_\_\_\_ 20 protons. Professor Raymond Chang explains this concept in more detail in the textbook Chemistry.

171

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is having
- B) had
- C) has had
- D) has

Yvonne Adhiambo Owuor, born in 1968, is a novelist from Nairobi, Kenya. In recent years more writers from Kenya, including Owuor, \_\_\_\_\_ to reach audiences beyond the African nation's borders.

172

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) begins
- B) is beginning
- C) has begun
- D) have begun

The Hereford map is a mappa mundi from the fourteenth century. Currently held at Hereford Cathedral in Hereford, England, it is one of over 1,000 such world maps from the European Middle Ages still remaining, with the even older Theodulf of Orleans map from the eleventh century (now held at the Vatican Library in Vatican City) \_\_\_\_\_ another one.

173

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is
- B) has been
- C) being
- D) was

The African baobab (*Adansonia digitata*) known as Panke Baobab, located in Zimbabwe, was one of the oldest known trees in the world, at 2,419 years old. With over two millennia of climate data in its tree \_\_\_\_\_ single tree like this, claims dendrochronologist Valerie Trouet, can tell the history of the world.

174

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) rings. A
- B) rings and a
- C) rings, a
- D) rings; a

Topographical prominence is a measure of a mountain's independence from other mountains. Having 9,721 feet of prominence, \_\_\_\_\_.

175

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Pico do Ramelau, a peak located in Timor-Leste, is ranked by geographers as the world's 98th most prominent mountain.
- B) the list of mountains geographers rank as the world's most prominent includes Pico do Ramelau, a peak located in Timor-Leste, at number 98.
- C) geographers have ranked Pico do Ramelau, a peak in Timor-Leste, as the world's 98th most prominent mountain.
- D) the ranking given by geographers to Pico do Ramelau, a peak located in Timor-Leste, is 98th most prominent mountain in the world.

The radial velocity method, a means of indirect planetary discovery, has detected previously unknown exoplanets at vast distances from \_\_\_\_\_ the Neptune-like planet DMPP-1 b; at 296 light-years away, the gas giant 42 Draconis b; and, as of 2023, over 1,000 other exoplanets that are too far away and dim to be observed directly.

176

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Earth, at 204 light-years away,
- B) Earth at 204 light-years away,
- C) Earth at 204 light-years away:
- D) Earth: at 204 light-years away,

L. Leann Kanda, a researcher and sewing enthusiast, experimented with several techniques in her attempt to replicate the famous pleating of the Fortuny Delphos gown. The specific method, which the fashion \_\_\_\_\_ developed in the early twentieth century, is considered lost.

177

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) designers Henriette Nigrin and Mariano Fortuny y Madrazo,
- B) designers Henriette Nigrin and Mariano Fortuny y Madrazo
- C) designers, Henriette Nigrin and Mariano Fortuny y Madrazo
- D) designers, Henriette Nigrin and Mariano Fortuny y Madrazo,

On February 1, 2018, a Florida-based research team—Martha A. Scholl, Maoya Bassiouni, and Angel J. Torres-Sánchez—compiled climate data from several sites in Puerto Rico’s Luquillo Mountains. At site CC1, the site with the highest elevation, the air temperature fluctuated slightly throughout the day, registering \_\_\_\_\_ and 16.2°C at 8:30 p.m.

178

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) 17.9°C, at 3:00 p.m. 16°C, at 5:00 p.m.
- B) 17.9°C at 3:00 p.m., 16°C at 5:00 p.m.,
- C) 17.9°C at 3:00 p.m. 16°C at 5:00 p.m.
- D) 17.9°C at 3:00 p.m., 16°C at 5:00 p.m.;

An emulsifier is a type of compound that serves to stabilize an emulsion—a mixture of two or more liquids that otherwise would not easily blend together, like oil and water. Though modern chemists commonly use emulsifiers like myristic acid in their formulations, emulsifiers that have been employed for millennia, such as beeswax and egg yolk, \_\_\_\_\_ used to this day by chemists as well.

179

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) would have been
- B) were
- C) were being
- D) are

Trade with neighboring civilizations contributed to the success of the Neo-Assyrian Empire, which reigned in Mesopotamia from around 911 BCE to 609 BCE. By supplying grain, textiles, and tin to societies that lacked these valuable \_\_\_\_\_ Neo-Assyrian Empire grew not only in wealth but also in power and influence.

180

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) items. The
- B) items the
- C) items; the
- D) items, the

Released in 1987, the Acorn ARM2 microchip contained a single CPU, or core, to execute commands. As processing speeds of single-core chips increased over time, so too did the heat the chips generated. \_\_\_\_\_ a "power wall" in which more heat was produced than could be efficiently dissipated led developers to invent the dual-core chip in the early 2000s.

181

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) Hitting
- B) When they hit
- C) They hit
- D) Upon hitting

In a 2018 study, Ceri Shipton et al. concluded that stone tools excavated from an archaeological site in Saudi Arabia date to between 197,000 and 276,000 years ago. The reliability of the dates that Shipton et al. have posited, which were obtained through processes that determined when buried mineral grains surrounding the tools were last exposed to sunlight, \_\_\_\_\_ in part upon the researchers' exclusion of mineral grains that lacked adequate sun exposure before burial.

182

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) depending
- B) depend
- C) depends
- D) having depended

Conceiving of a communal gathering space in the style of European town centers, \_\_\_\_\_ recalled those he saw in his native Vienna.

183

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) architect Victor Gruen's designs for Pennsylvania's South Hills Village, an indoor shopping mall completed in 1965, contained promenades, fountains, and greenery that
- B) South Hills Village, an indoor shopping mall in Pennsylvania completed in 1965, was designed by architect Victor Gruen with promenades, fountains, and greenery that
- C) the promenades, fountains, and greenery of Pennsylvania's South Hills Village, an indoor shopping mall designed by architect Victor Gruen and completed in 1965,
- D) architect Victor Gruen designed Pennsylvania's South Hills Village, an indoor shopping mall completed in 1965, with promenades, fountains, and greenery that

As an object-oriented computer programming language, Perl is used by coders like Black Girls Code founder Kimberly Bryant to create computer programs by manipulating "objects" (that is, specifically defined variables or combinations of variables) into interacting with each other. Conversely, languages like Scheme, used in software development, \_\_\_\_\_ object oriented.

184

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) is not
- B) are not
- C) were not
- D) has not been

The Greek philosopher Aristotle had ideas that would have substantial influence thousands of years after he taught \_\_\_\_\_.

American Framers would use his philosophies like government moderation, the rule of law, and citizen rights when writing the United States Constitution.

185

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) it.
- B) that.
- C) this.
- D) them.

Having devised an optical spectroscopy technique that allowed researchers to study ultrafast chemical reactions within molecules, \_\_\_\_\_ known as femtochemistry. For this groundbreaking work, he won the Othmer Gold Medal and the Davy Medal from the Royal Society.

186

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) chemist Ahmed Zewail introduced a new scientific discipline
- B) a new scientific discipline was introduced by Ahmed Zewail, a chemist
- C) the introduction of a new scientific discipline was initiated by chemist Ahmed Zewail
- D) chemist Ahmed Zewail's introduction of a new scientific discipline would be

## Answers: Form, Structure, and Sense

Number	Answer	Number	Answer
1	B	2	B
3	A	4	A
5	C	6	B
7	A	8	B
9	D	10	A
11	C	12	B
13	B	14	C
15	B	16	B
17	D	18	D
19	A	20	C
21	A	22	A
23	B	24	D
25	A	26	A
27	A	28	B
29	A	30	B
31	D	32	B
33	A	34	B
35	A	36	D
37	B	38	B
39	A	40	A
41	C	42	D



Number	Answer	Number	Answer
43	A	44	C
45	B	46	A
47	D	48	C
49	C	50	B
51	B	52	C
53	D	54	B
55	D	56	D
57	C	58	A
59	D	60	D
61	A	62	A
63	A	64	B
65	D	66	B
67	C	68	D
69	A	70	B
71	C	72	A
73	C	74	C
75	D	76	A
77	A	78	B
79	D	80	C
81	C	82	D
83	C	84	B
85	B	86	C

Number	Answer	Number	Answer
87	B	88	A
89	C	90	C
91	B	92	A
93	C	94	B
95	C	96	B
97	C	98	C
99	B	100	A
101	A	102	D
103	D	104	B
105	C	106	A
107	A	108	B
109	C	110	D
111	B	112	A
113	C	114	C
115	C	116	A
117	A	118	D
119	A	120	D
121	D	122	D
123	C	124	B
125	B	126	D
127	B	128	C
129	D	130	B

Number	Answer	Number	Answer
131	D	132	A
133	C	134	B
135	B	136	C
137	D	138	C
139	D	140	D
141	A	142	D
143	C	144	B
145	B	146	A
147	D	148	A
149	D	150	B
151	B	152	B
153	D	154	D
155	A	156	C
157	D	158	C
159	B	160	D
161	D	162	D
163	D	164	C
165	B	166	B
167	C	168	B
169	B	170	C
171	D	172	D
173	C	174	C

Number	Answer	Number	Answer
175	A	176	D
177	B	178	B
179	D	180	D
181	A	182	C
183	D	184	B
185	D	186	A



## II Expression of Ideas

## Topic 3: Transitions

203 Questions

### DIRECTIONS

#### Must Know Tips:

- Identify the relationship between the sentences (Continue, Contradict, Cause/Effect).
- Skim the passage, but focus on the sentence before and after the gap.
- Learn the meanings of unique transition words (e.g., "by granted," "that is").
- Don't read the question prompt (it's static).

**Recommended time per question in this section:** min: 35 sec, max: 60 sec, avg: 47.5 sec.  
(\*Exam level)

Of Names, an essay by French philosopher Michel de Montaigne, explores a relatively light subject, while his essay "Of the Punishment of Cowardice" takes on heavier fare. No matter the essay topic, Montaigne challenges his own ideas, beliefs, and values. \_\_\_\_\_ he questions his own perspective, regardless of subject matter.

1

Which choice completes the text with the most logical transition?

- A) For example,
- B) At that time,
- C) Indeed,
- D) However,

Though Middle English was widely spoken in fourteenth-century England, the language was rarely employed in literature until poet Geoffrey Chaucer helped pioneer its literary use.

\_\_\_\_\_ his manuscripts contain the first documented uses of over 2,000 English words—like the word "exaltation" in his 1386 poem "The Squire's Tale"—which led a contemporary to dub him "the first finder of our fair language."

2

Which choice completes the text with the most logical transition?

- A) However,
- B) That being said,
- C) Besides,
- D) Indeed,

Built at a scale of 1:110, the Eiffel Tower in Baku, Azerbaijan, is one of many replicas of the famous Eiffel Tower in Paris, France.

\_\_\_\_\_ towers like the Metallic Tower of Fourviere in Lyon, France, though not exact replicas, pay homage to the Eiffel's iconic spire-like design.

3

Which choice completes the text with the most logical transition?

- A) On the contrary,
- B) Consequently,
- C) Invariably,
- D) Moreover,

The Cheruku rasamu mango variety is from the South Asian country of India.

\_\_\_\_\_ in 2018, 18.8 million metric tons of mangoes were produced.

4

Which choice completes the text with the most logical transition?

- A) Hence,
- B) There,
- C) In fact,
- D) Specifically,

Nineteenth century Modernista architect championed nature in their designs.

\_\_\_\_\_ the dramatic archway and botanical glasswork of Palau, a Modernista private home designed by Manuell Raspel, could not exactly grow in a forest. Still, one sees natural influences in Raspel's penchant for curves and plant and animal inspired flourishes.

5

Which choice completes the text with the most logical transition?

- A) Of course,
- B) Similarly,
- C) Furthermore,
- D) Thus,

In the West African country of Burkina, the percentage of the population living in cities increased from 27.5% to 30.6% between 2015 and 2020; this upward trend in urbanization was seen throughout that part of the continent.

\_\_\_\_\_ from 2015 to 2020, the overall percentage of the West African population living in cities rose from 44.5% to 47.7%.

6

Which choice completes the text with the most logical transition?

- A) Nevertheless,
- B) Later,
- C) Indeed,
- D) In reality,



The first documented use of the English word "session" is attributed to poet Geoffrey Chaucer's 1386 work "Canterbury Prologue." However, Chaucer didn't write in Modern English; \_\_\_\_\_ he wrote in what we now call Middle English, which was commonly used during the period.

7

Which choice completes the text with the most logical transition?

- A) rather,
- B) as a result,
- C) similarly,
- D) finally,

According to traditional classifications, each of William Shakespeare's plays belongs to one of three distinct genres: comedy, history, or tragedy. The play *Much ado About Nothing* (1598-99), \_\_\_\_\_ is classified as a comedy, whereas *Richard II* (1595) is classified as a history.

8

Which choice completes the text with the most logical transition?

- A) in addition,
- B) similarly,
- C) for instance,
- D) however,

In 1940, scientists first isolated a sample of the steroid hormone androstenone, which they knew existed in animals—and, they assumed, only in animals. \_\_\_\_\_ scientists know that androstenone can also be found in chokecherry plants (*Pruntes virginiano*), but this discovery didn't occur until decades later.

9

Which choice completes the text with the most logical transition?

- A) Today,
- B) For instance,
- C) In other words,
- D) Thus,

The city of Jinan, China, expanded its rapid transit system, the Jinan Metro, as recently as 2020 . \_\_\_\_\_ the system will likely need to undergo further expansions as the size and needs of the city's population shift.

10

Which choice completes the text with the most logical transition?

- A) Still,
- B) By contrast,
- C) For example,
- D) Instead,

In his essay "Of Coaches," French philosopher Michel de Montaigne explores a relatively light subject, but he expresses heavier fare in "Of the Inconvenience of Greatness." Regardless of subject matter, Montaigne works to question his own perspective throughout his essay.

\_\_\_\_\_ his personal motto was "What do I know?"

11

Which choice completes the text with the most logical transition?

- A) Still,
- B) Conversely,
- C) Fittingly,
- D) Nowadays,

The first documented use of the English word "depart" is attributed to poet Geoffrey Chaucer's 1386 work "The Parson's Tale." However, Chaucer didn't write in Modern English; \_\_\_\_\_ he wrote what we now call Middle English, which was commonly used during the period.

12

Which choice completes the text with the most logical transition?

- A) rather,
- B) finally,
- C) as a result,
- D) similarly,

Space scientist Maggie Aderin-Pocock is excited about the potential of the new James Webb Space Telescope (JWST). Unlike its predecessor, the Hubble Telescope, the JWST is optimized for infrared wavelength. When light from distant galaxies is infrared, \_\_\_\_\_ the JWST can provide sharp images that reveal much more information about those galaxies than the Hubble could.

13

Which choice completes the text with the most logical transition?

- A) consequently,
- B) admittedly,
- C) actually,
- D) in addition,

With their distinctive cone shapes and steeply sloping sides, the volcanoes Maungarei (New Zealand) and Harunasan (Japan) may look similar from afar. Tehnuka llanko and other volcanologists, \_\_\_\_\_ can tell by how each was formed that Maungarei is a cinder cone volcano, while Harunasan is a composite volcano.

14

Which choice completes the text with the most logical transition?

- A) in addition,
- B) therefore,
- C) for example,
- D) though,

For several centuries after the birth of opera in sixteenth-century Florence, Italian remained the default language in which most opera scores were written. \_\_\_\_\_ opera singers today, such as the mezzo-soprano J'Nai Bridges, encounter a wide range of Italian terms—from *con amore* (with love) to *moderato* (at a moderate tempo)—when following many eighteenth-century opera scores.

15

Which choice completes the text with the most logical transition?

- A) Consequently,
- B) However,
- C) Lastly,
- D) Granted,

Those who looked up at the right time on July 9, 1926, would have witnessed an annular solar eclipse, during which the Moon blocks most of the Sun and causes it to look like a ring of light. \_\_\_\_\_ stargazers on December 24, 1927, would have seen a partial solar eclipse, during which the Moon only blocks a portion of the Sun and causes it to look like a crescent.

16

Which choice completes the text with the most logical transition?

- A) As a result,
- B) On the other hand,
- C) Simultaneously,
- D) Indeed,

One might assume that Germany's Amrumbank West offshore wind farm produces the same amount of energy as land-based wind farms of a similar size. \_\_\_\_\_ because wind speeds over open water are generally higher than those over land, Amrumbank West's turbines turn faster and produce more energy than do most land farms' turbines.

17

Which choice completes the text with the most logical transition?

- A) Actually,
- B) For example,
- C) Therefore,
- D) Finally,

When using hairy coneflower for dyeing cloth, textile artists first soak it in water to release its color. Next, they add the cloth to the dye bath and simmer it for hours, perhaps even days. \_\_\_\_\_ they remove the cloth from the dye bath, revealing that the cloth has turned a vibrant blue color.

18

Which choice completes the text with the most logical transition?

- A) Finally,
- B) However,
- C) Therefore,
- D) Actually,

Though Middle English was widely spoken in fourteenth-century England, the English language was rarely employed in literature until poet Geoffrey Chaucer pioneered its literary use. \_\_\_\_\_ his manuscripts contain the first documented uses of over 2,000 English words—like the word "conspiracy" in his 1386 poem "The Monk's Tale"—which led a contemporary to dub him "the first finder of our fair language."

19

Which choice completes the text with the most logical transition?

- A) Besides,
- B) However,
- C) On the contrary,
- D) In fact,

Space scientist Julie van Campen is excited about the potential of the new James Webb Space Telescope (JWST). Unlike its predecessor, the Hubble Telescope, the JWST is primarily an infrared telescope. Most light from distant galaxies is infrared; \_\_\_\_\_ the JWST can provide van Campen and her team much more information about these galaxies than the Hubble could.

20

Which choice completes the text with the most logical transition?

- A) besides,
- B) however,
- C) on the contrary,
- D) in fact,

As part of a study, participants were asked to list animals they thought of as "charismatic," which was defined as "attractive, fascinating, or appealing." Researchers compiled the responses into a single list and found that the panda and the crocodile both landed in the top twenty. \_\_\_\_\_ no animal outranked the tiger.

21

Which choice completes the text with the most logical transition?

- A) For instance,
- B) In contrast,
- C) Hence,
- D) Alternatively,

KBFT is a Native-run radio station broadcasting from the Bois Forte Band of Chippewa's lands in Minnesota. In 2004, Loris Taylor wanted to make sure that stations like KBFT continued to thrive. \_\_\_\_\_ she founded Native Public Media, a support system for Native radio stations that now includes around sixty stations.

22

Which choice completes the text with the most logical transition?

- A) In reality,
- B) Hence,
- C) By contrast,
- D) In other words,

Many English adjectives share a linguistic origin with their associated nouns, like the adjective "monetary" and the noun "money," both of which come from the Latin "monetarius."

\_\_\_\_\_ some adjectives do not share an origin with their associated nouns. For example, the adjective "arboreal" ultimately comes from the Latin "arbor," while its associated noun, "tree," comes from the Old English "treow."

23

Which choice completes the text with the most logical transition?

- A) Nevertheless,
- B) For this reason,
- C) Specifically,
- D) Subsequently,

The dramatic archways of Barcelona's Casa Bonaventura Ferrer, a private home designed by Pere Falques i Urpi, are emblematic of the nineteenth-century Modernista movement, which favored naturalistic curves over rigid right angles in its championing of organic forms.

\_\_\_\_\_ the private home's decorative features, such as its floral stained glass windows, also take cues from nature.

24

Which choice completes the text with the most logical transition?

- A) Likewise,
- B) By contrast,
- C) In other words,
- D) Nevertheless,

In 1949, Frank Zamboni developed an ice rink resurfacing machine. As Zamboni's machine moved along the rink's surface, it first scraped off the top layer of ice. \_\_\_\_\_ it sprayed water into the deep grooves left behind by customers' skates. Lastly, it smoothed over the newly formed ice.

25

Which choice completes the text with the most logical transition?

- A) For example,
- B) Next,
- C) Similarly,
- D) In contrast,

Scientists studying asteroid deflection have focused on secondary objects such as S/2020 (2013 PY6), a moonlet orbiting the near-Earth asteroid 2013 PY6. In 2022, NASA intentionally crashed a probe into just such an object, successfully altering its orbit. Scientists have yet to demonstrate, \_\_\_\_\_ that 2013 PY6 and other primary objects would be similarly affected.

26

Which choice completes the text with the most logical transition?

- A) for example,
- B) though,
- C) likewise,
- D) moreover,

Biographer Michael Gorra notes that the novelist Henry James "lived in a world of second thoughts," frequently tinkering with his novels and stories after their initial publication. However, the differences between the 1881 first edition and the 1908 edition of his novel *A Portrait of a Lady* are extreme, even by James's standards; \_\_\_\_\_ some critics regard the two editions as two different novels altogether.

27

Which choice completes the text with the most logical transition?

- A) by contrast,
- B) in fact,
- C) nevertheless,
- D) in other words,



Working together with the Navajo Nation Department of Water Resources, Dr. Lani Tsinnajinnie analyzed data about snowpack levels in the Chuska Mountains. She found that the snowpack (the amount of snow on the ground) was deepest in early March at lower elevations. At higher elevations, \_\_\_\_\_ the snowpack was deepest in mid-March.

28

Which choice completes the text with the most logical transition?

- A) in other words,
- B) for instance,
- C) on the other hand,
- D) in summary,

Just as the state of Hawaii has a designated state flower, tree, and bird, it also has a state soil: Hilo soil. Hilo is a fitting choice for state soil, in large part because it can be found in abundance across the state.

\_\_\_\_\_ it plays an important role in Hawaii's agricultural industry and is used to grow a variety of crops, like ginger and taro.

29

Which choice completes the text with the most logical transition?

- A) Alternatively,
- B) By contrast,
- C) At that time,
- D) Additionally,

In eastern Mexico, Monument 61 and Monument 1 are the names given to two massive human head statues that were left behind by the ancient Olmec civilization. Both statues are made of stone and are extremely heavy. \_\_\_\_\_ they each weigh more than 5 tons!

30

Which choice completes the text with the most logical transition?

- A) In any case,
- B) Earlier,
- C) In fact,
- D) Instead,



In 2014, Nestor Gomez won his first-ever storytelling competition, relating a tale about his life as a Guatemalan immigrant living in Chicago. \_\_\_\_\_ in 2017, Gomez created the show 80 Minutes Around the World as a platform for others to share stories about their immigration experiences.

31

Which choice completes the text with the most logical transition?

- A) Instead,
- B) For example,
- C) Later,
- D) In other words,

In his essay "Of Friendship," French philosopher Michel de Montaigne explores a relatively light subject, but he addresses heavier fare in "Of the Uncertainty of Our Judgment." Regardless of subject matter, Montaigne works to question his own perspective throughout his essays.

\_\_\_\_\_ his personal motto was "What do I know?"

32

Which choice completes the text with the most logical transition?

- A) Fittingly,
- B) Conversely,
- C) Nowadays,
- D) Still,

Ecologists like Renae Brodie use trophic pyramids to illustrate the food chain within a given ecosystem. At a typical pyramid's base are primary producers, like plants, followed by herbivores at the second trophic level, then omnivores and carnivores at the third.

\_\_\_\_\_ at the fourth, highest trophic level are apex predators, like eagles, that feed on the animals below.

33

Which choice completes the text with the most logical transition?

- A) Lastly,
- B) In fact,
- C) For example,
- D) Besides,

In a 2022 analysis of 200 terms, researchers found a broad pattern of valence-dependent mutation in which negative adjectives saw a faster rate of cognate replacement—the rate at which a word will be replaced over time with a noncognate form—than other words.

\_\_\_\_\_ the adjective "illegal" would be expected to mutate faster than the noun "crisis."

34

Which choice completes the text with the most logical transition?

- A) Thus,
- B) Moreover,
- C) Meanwhile,
- D) However,

In the early 1970s, Albert Popa took up graffiti art, spraying his work onto what was at the time an unconventional surface: concrete.

\_\_\_\_\_ Albert's son David has chosen an unusual canvas for his new art project, Fractured. In this remarkable work, the artist draws charcoal faces onto fragmented ice floes in Finland, creating the visual effect of a face slowly fracturing.

35

Which choice completes the text with the most logical transition?

- A) However,
- B) Indeed,
- C) Second,
- D) Likewise,

The world's first airplane, the 1903 Wright Flyer, was not very aerodynamic, as evidenced by its low lift-to-drag ratio of just 8.3:1. The Northrop F-5 jet, like most modern aircraft, is far more aerodynamic. \_\_\_\_\_ its lift-to-drag ratio is more than twice that of the Wright Flyer.

36

Which choice completes the text with the most logical transition?

- A) Specifically,
- B) In conclusion,
- C) However,
- D) Nevertheless,

With many elements, like osmium, scientists were able to isolate a relatively pure sample of the substance shortly after discovering its existence. \_\_\_\_\_ this wasn't the case with all elements. The process of isolating magnesium, for example, took 53 years, to be precise.

37

Which choice completes the text with the most logical transition?

- A) In other words,
- B) For this reason,
- C) Granted,
- D) Likewise,

Modernista architects championed nature in their designs. \_\_\_\_\_ the dramatic archways and bird-themed mosaics of Casa Lleó i Morera, a Modernista private home designed by Lluís Domènech i Montaner, couldn't exactly grow in a forest. Still, one sees natural influences in Domènech i Montaner's penchant for curves (rather than right angles) and plant- and animal-inspired flourishes.

38

Which choice completes the text with the most logical transition?

- A) Of course,
- B) Thus,
- C) Furthermore,
- D) Similarly,

Before the first railroads were built in Australia, engineers warned against using multiple track widths across the continent. \_\_\_\_\_ regional officials couldn't agree on a single-width system. Thus, railways in Victoria, like the Victorian Goldfields Railway, were made using wide tracks, while those in New South Wales were built with narrow tracks.

39

Which choice completes the text with the most logical transition?

- A) In other words,
- B) Similarly,
- C) For this reason,
- D) Nevertheless,

Legislators in Ethiopia are elected via a first-past-the-post electoral system. In this winner-take-all voting system, the seat is awarded to the candidate who receives not a majority but a plurality (i.e., greatest number) of votes. \_\_\_\_\_ if several popular candidates are vying for the same seat, it is possible for a candidate to win an election despite receiving less than 50% of the votes.

40

Which choice completes the text with the most logical transition?

- A) However,
- B) Moreover,
- C) Accordingly,
- D) Similarly,

After appropriate permissions are granted, a typical archaeological dig begins with a surveyor making a detailed grid of the excavation site. Then, the site is carefully dug, and any artifacts found are recorded and mapped onto the site grid. \_\_\_\_\_ the artifacts are removed, cataloged, and analyzed in a laboratory.

41

Which choice completes the text with the most logical transition?

- A) For instance,
- B) On the contrary,
- C) Earlier,
- D) Finally,

To guarantee the validity of experimental results, scientists rely on precise, unchanging standards of measurement.

\_\_\_\_\_ metrologists (scientists who study measurement) developed the SI, or International System of Units. The SI's units of measurement are based on unchanging values in nature, such as the mass of an electron or the speed of light.

42

Which choice completes the text with the most logical transition?

- A) In contrast,
- B) Regardless,
- C) In addition,
- D) For this reason,

Soil polluted with chromium (a heavy metal) is harmful to many plants and animals, but the plant species *Ludwigia prostrata*, or creeping water primrose, not only thrives in such conditions but also helps remediate them. As a metal hyperaccumulator, *Ludwigia prostrata* absorbs a large amount of chromium and stores it safely in its roots and shoots;

\_\_\_\_\_ chromium concentrations in the soil decrease.

43

Which choice completes the text with the most logical transition?

- A) in addition,
- B) nevertheless,
- C) in turn,
- D) specifically,

With many elements, like cadmium, scientists were able to isolate a relatively pure sample of the substance shortly after discovering its existence—but this wasn't the case with all elements. \_\_\_\_\_ the isolation process took years. The element niobium, for instance, was discovered in 1801 but not isolated until 1864.

44

Which choice completes the text with the most logical transition?

- A) Moreover,
- B) Thus,
- C) However,
- D) Sometimes,

A band might choose a name that is as unique and original as possible. \_\_\_\_\_ they might name themselves after a recognizable song by a favorite band. This is what the Japanese experimental rock band Boris did when they named themselves after the song "Boris" by the Melvins.

45

Which choice completes the text with the most logical transition?

- A) Thus,
- B) Alternatively,
- C) In other words,
- D) For instance,

If you could travel in a spaceship to Elara, one of Jupiter's many moons, you'd find a moon with a prograde orbit. This means that Elara orbits Jupiter in the same direction that Jupiter rotates on its axis. \_\_\_\_\_ at Pasiphae, another Jovian moon, you'd find an example of a retrograde orbit, with the moon revolving around Jupiter in the opposite direction.

46

Which choice completes the text so that it conforms to the conventions of Standard English?

- A) For example,
- B) Specifically,
- C) In other words,
- D) Elsewhere,

Monument 61 is the name given to a 13-ton stone statue of a human head that was created during the ancient Olmec civilization. It was discovered in Veracruz, Mexico, at the San Lorenzo archaeological site. \_\_\_\_\_ at the La Venta site in the state of Tabasco, another colossal head statue called Monument 4 was discovered.

47

Which choice completes the text with the most logical transition?

- A) As a result,
- B) Specifically,
- C) For example,
- D) Elsewhere,

In the South Asian country of Sri Lanka, the percentage of the population living in cities increased from 18.3% to 18.7% between 2015 and 2020; this upward trend in urbanization was seen throughout that part of the continent.

\_\_\_\_\_ from 2015 to 2020, the overall percentage of the South Asian population living in cities rose from 34.5% to 36.6%.

48

Which choice completes the text with the most logical transition?

- A) Nevertheless,
- B) Indeed,
- C) In reality,
- D) Later,

Ugandan American professor Peter Nazareth believed that Elvis Presley's music is best understood not as a homogeneous collection but as an anthology (because Elvis showcased the contributions of a wide range of gospel, blues, and rock artists). \_\_\_\_\_ Nazareth entitled his college course on Elvis and his music, which focused on Elvis's many musical influences, "Elvis as Anthology."

49

Which choice completes the text with the most logical transition?

- A) In sum,
- B) To that end,
- C) In addition,
- D) That is,

Humans inherit specific physical traits (like having type O or type AB blood) from their parents. \_\_\_\_\_ cats inherit specific physical traits (like having short or long fur) from their parents.

50

Which choice completes the text with the most logical transition?

- A) In other words,
- B) As a result,
- C) In conclusion,
- D) Similarly,

Author Ursula K. Le Guin's *Rocannon's World* is a science fiction story set in an era of intergalactic travel, whereas her *The Tombs of Atuan* is a work of fantasy set in a land of heroes and dragons. \_\_\_\_\_ both fans of science fiction and fans of fantasy are among her many readers.

51

Which choice completes the text with the most logical transition?

- A) At that time,
- B) Alternatively,
- C) Accordingly,
- D) Nevertheless,



Those who looked up at the right time on September 9, 1904, would have witnessed a total solar eclipse, during which the Moon completely blocks the Sun. \_\_\_\_\_ stargazers on December 25, 1935, would have seen an annular solar eclipse, during which the Moon blocks most of the Sun and causes it to look like a ring of light.

52

Which choice completes the text with the most logical transition?

- A) As a result,
- B) On the other hand,
- C) Simultaneously,
- D) Indeed,

With many elements, like neon, scientists were able to isolate a relatively pure sample of the substance shortly after discovering its existence—but this wasn't the case with all elements. \_\_\_\_\_ the isolation process took years. The element erbium, for instance, was discovered in 1843 but not isolated until 1934.

53

Which choice completes the text with the most logical transition?

- A) However,
- B) Thus,
- C) Sometimes,
- D) Moreover,

In Tino Villanueva's 2016 poem "Field of Moving Colors Layered," the poet contemplates a painting that has inspired him: Alberto Valdés's 1965 work Untitled. The painting, which features overlapping geometric shapes, fuels the poem's exploration of temporality and identity. \_\_\_\_\_ in responding to Valdés's artwork, Villanueva's poem reflects on the relationship between poetry and other art forms.

54

Which choice completes the text with the most logical transition?

- A) What's more,
- B) In other words,
- C) Conversely,
- D) For instance,



Scientists long debated the origins of chondrules, tiny glass beads that formed in meteors billions of years ago. For decades, different theories were proposed, from lightning strikes to powerful rock collisions, but none had sufficient evidentiary support. \_\_\_\_\_ scientists found strong evidence that chondrules were formed by shock waves in nearby nebulae.

55

Which choice completes the text with the most logical transition?

- A) For example,
- B) Finally,
- C) Similarly,
- D) Therefore,

Voting members of the 2006 Latin Grammys were impressed by Los Tigres del Norte's album *Historias Que Contar* and its contribution to the norteño genre, a form of regional Mexican music featuring accordion and bajo sexto guitar that first developed in northern Mexico in the late nineteenth century. \_\_\_\_\_ they awarded the group the Best Norteño Album award.

56

Which choice completes the text with the most logical transition?

- A) In contrast,
- B) Accordingly,
- C) Meanwhile,
- D) Nevertheless,

As anthropologist Cristina Grasseni explains, with the rise in demand for artisanal cheeses claiming to be typical of specific Italian regions, such as Pecorino Siciliano cheese from Sicily, came the need to guarantee the veracity of such claims to consumers. \_\_\_\_\_ the European Union established DOP status, a label certifying that the cheese was made according to the region's local traditions.

57

Which choice completes the text with the most logical transition?

- A) Conversely,
- B) Likewise,
- C) Regardless,
- D) Therefore,

Just as the state of Texas has a designated state flower, tree, and bird, it also has a state soil: Houston Black soil. Houston Black is a fitting choice for state soil, in large part because it can be found in abundance across the state. \_\_\_\_\_ it plays an important role in Texas's agricultural industry and is used to grow a variety of crops, like cotton and sorghum.

58

Which choice completes the text with the most logical transition?

- A) Additionally,
- B) At that time,
- C) By contrast,
- D) Alternatively,

Generally, sleek vehicles are more aerodynamic than bulkier ones. The streamlined nose of the T-45 Goshawk jet, \_\_\_\_\_ helps it glide through wind with relative ease, while a boxy pickup truck encounters more wind resistance, making it less aerodynamic.

59

Which choice completes the text with the most logical transition?

- A) meanwhile,
- B) however,
- C) for instance,
- D) additionally,

Legislators in Antigua are elected via a first-past-the-post electoral system. In this winner-take-all voting system, the seat is awarded to the candidate who receives not a majority but a plurality (i.e., greatest number) of votes. \_\_\_\_\_ if several popular candidates are vying for the same seat, it is possible for a candidate to win an election despite receiving less than 50% of the votes.

60

Which choice completes the text with the most logical transition?

- A) Moreover,
- B) Similarly,
- C) Accordingly,
- D) However,

Textile artist Amber Joy Greenidge-Sabral wanted to avoid using harsh synthetic dyes that could be damaging to the environment. \_\_\_\_\_ she began experimenting with more environmentally friendly natural dye methods, using organic materials like prairie parsley and weld herb for their natural red and yellow colors.

61

Which choice completes the text with the most logical transition?

- A) With this in mind,
- B) To sum up,
- C) Nevertheless,
- D) In actuality,

Within a given ecosystem, energy tends to transfer across what ecologists, such as Michelle Evans-White, call trophic levels.

\_\_\_\_\_primary producers, like plants, at the first trophic level provide energy (i.e., food) for herbivores, like deer, at the second level; those at the second level provide energy for carnivores and omnivores, like coyotes, at the third; and so on, up the food chain.

62

Which choice completes the text with the most logical transition?

- A) By contrast,
- B) Likewise,
- C) However,
- D) For example,

Residents of Brasília, Brazil, rely on its rapid transit system, the Brasília Metro, for millions of trips each year. \_\_\_\_\_ city officials strive to maintain the system's 25 stations to ensure each of these journeys is as smooth as possible.

63

Which choice completes the text with the most logical transition?

- A) For example,
- B) Accordingly,
- C) However,
- D) Alternatively,

In his essay "Of Smells," French philosopher Michel de Montaigne explores a relatively light subject, but he addresses heavier fare in "Of the Punishment of Cowardice." Regardless of subject matter, Montaigne works to question his own perspective throughout his essays.

\_\_\_\_\_ his personal motto was "What do I know?"

64

Which choice completes the text with the most logical transition?

- A) Nowadays,
- B) Still,
- C) Conversely,
- D) Fittingly,

Modernista architects championed nature in their designs. \_\_\_\_\_ the dramatic archways and botanical glasswork of Palau Mornau, a Modernista private home designed by Manuel Raspall, couldn't exactly grow in a forest. Still, one sees natural influences in Raspall's penchant for curves (rather than right angles) and plant- and animal-inspired flourishes.

65

Which choice completes the text with the most logical transition?

- A) Granted,
- B) Furthermore,
- C) Thus,
- D) Similarly,

In a 2005 study by Mellado et al., the researchers determined the ratio of three different plant subtypes within the diet of sheep: graminoids, forbs, and browse.

\_\_\_\_\_ the researchers determined the relative quantities of the plants the animal consumed.

66

Which choice completes the text with the most logical transition?

- A) By contrast,
- B) Next,
- C) In addition,
- D) That is,

Scientists studying asteroid deflection have focused on secondary objects such as S/2018 (15745), a moonlet orbiting the near-Earth asteroid Yuliya. In 2022 NASA intentionally crashed a probe into just such an object, successfully altering its orbit. \_\_\_\_\_ these results are no guarantee that Yuliya and other primary objects would be similarly affected.

67

Which choice completes the text with the most logical transition?

- A) Accordingly,
- B) Granted,
- C) Likewise,
- D) Moreover,

Bill Belew's talent for intricately and expertly detailed costume design was on full display with the Blue Rain jumpsuit, created for musical icon Elvis Presley to wear onstage. \_\_\_\_\_ the suit's blue rhinestones showcased Belew's careful attention to detail.

68

Which choice completes the text with the most logical transition?

- A) Next,
- B) In particular,
- C) Soon,
- D) Nevertheless,

Most solar eclipses from long ago have been forgotten, but not all. \_\_\_\_\_ scholars still discuss an eclipse that occurred on May 17, 2231 BCE. That's because it was the fifth-longest total eclipse before the Dark Ages-7 minutes, 21 seconds long.

69

Which choice completes the text with the most logical transition?

- A) Next,
- B) Regardless,
- C) For example,
- D) In summary,

In his 2016 poem "Orphan," Blas Falconer explores Teresita Fernández's sculpture Nocturnal (Horizon Line), a work that features horizontal bands of granite.

\_\_\_\_\_ Falconer participates in a tradition dating back to Homer's Iliad: that of ekphrasis, poetry that engages with visual art.

70

Which choice completes the text with the most logical transition?

- A) In addition,
- B) In doing so,
- C) That said,
- D) Conversely,

During many historic New York City parades, including the 1912 ticker-tape parade for US Olympic champions, the ribbonlike swirls descending on the scene were paper spools from "tickers," telegraph machines that were used to transmit stock prices \_\_\_\_\_ the tickers had long since been retired by the time of the parade for the New York Giants in 2008. Then, shredded standard paper enriched the celebration.

71

Which choice completes the text with the most logical transition?

- A) For example,
- B) In addition,
- C) Of course,
- D) As a result,

With many elements, like bromine, scientists were able to isolate a relatively pure sample of the substance shortly after discovering its existence. \_\_\_\_\_ this wasn't the case with all elements. The process of isolating europium, for example, took several years-five, to be precise.

72

Which choice completes the text with the most logical transition?

- A) For this reason,
- B) Granted,
- C) Likewise,
- D) In other words,

Modernista architects championed nature in their designs. \_\_\_\_\_ the wavy exterior wall and botanical window dressings of Torre Cortés, a Modernista private home designed by Salvador Valeri i Pupurull, couldn't exactly grow in a forest. Still, one sees natural influences in Valeri i Pupurull's penchant for curves (rather than right angles) and plant- and animal-inspired flourishes.

73

Which choice completes the text with the most logical transition?

- A) Granted,
- B) Similarly,
- C) Furthermore,
- D) Thus,

In a 1993 study by Vales and Peek, the researchers determined the ratio of three different plant subtypes within the diet of elk: graminoids, forbs, and browse.

\_\_\_\_\_ the researchers determined the relative quantities of the plants the animal consumed.

74

Which choice completes the text with the most logical transition?

- A) That is,
- B) In addition,
- C) By contrast,
- D) Next,

Cornelia Konrads is a German sculptor who creates art that seems to be part of its surroundings. Her sculpture entitled knotty stits is built on the wall of a university building in the United States. \_\_\_\_\_ appearing as two support beams knotted together against the wall, it is cleverly placed into its environment, serving as an example of Konrads's approach.

75

Which choice completes the text with the most logical transition?

- A) There,
- B) Later,
- C) For instance,
- D) However,



There are three basic steps you should follow when planning a scientific inquiry. First, thoroughly research the question you wish to answer. \_\_\_\_\_ come up with a prediction (also called a hypothesis) about the answer to your question. Third, develop an experiment that can test the accuracy of your hypothesis.

76

Which choice completes the text with the most logical transition?

- A) For example,
- B) Second,
- C) Therefore,
- D) Instead,

While not the case with dimples, some inherited observable traits, or phenotypes, can change because of a variety of factors. \_\_\_\_\_ eye color can change because of age.

77

Which choice completes the text with the most logical transition?

- A) For example,
- B) Finally,
- C) Conversely,
- D) In any case,

Just as the state of New York has a designated state flower, tree, and bird, it also has a state soil: Honeoye soil. Honeoye is a fitting choice for state soil, in large part because it can be found in abundance across the state. \_\_\_\_\_ it plays an important role in New York's agricultural industry and is used to grow a variety of crops, like corn and soybeans.

78

Which choice completes the text with the most logical transition?

- A) At that time,
- B) Alternatively,
- C) Conversely,
- D) Moreover,

Australia ratified the Outer Space Treaty, an international agreement with over 100 signing nations that acts as the foundation for the laws of space, on January 27, 1967. Colombia signed the treaty; \_\_\_\_\_ it has yet to officially ratify it.

79

Which choice completes the text with the most logical transition?

- A) however,
- B) similarly,
- C) specifically,
- D) for example,



In her 2012 analysis of tree rings from Japan's Yaku Island, cosmic ray physicist Fusa Miyake noted an anomalous carbon-14 spike dating to 774-775 CE, indicating that a massive burst of radiation reached Earth during that time.

\_\_\_\_\_ this unprecedented radiocarbon surge was dubbed a "Miyake event" in honor of its discoverer.

80

Which choice completes the text with the most logical transition?

- A) Fittingly,
- B) Similarly,
- C) However,
- D) In other words,

The Coastal Virginia Offshore Wind project is anticipated to generate 2.6 gigawatts of energy, enough to power almost one million homes. As its name indicates, the project—currently in development—consists of wind turbines located off the Virginia coast. \_\_\_\_\_ the project plan calls for 176 large turbines to be placed at a site 27 miles east of Virginia Beach.

81

Which choice completes the text with the most logical transition?

- A) In conclusion,
- B) In contrast,
- C) As a result,
- D) To be exact,

With his room-sized installation Unicorn/My Private Sky, Norwegian artist Børre Sæthre succeeds in creating a whimsical yet perplexing experience. \_\_\_\_\_ when visitors set foot inside the fantastically blue room and encounter the life-sized stuffed unicorn preening at the far end of it, they are both dazzled and confused—as if stepping into a strange and enchanting new world.

82

Which choice completes the text with the most logical transition?

- A) Indeed,
- B) Second,
- C) Nevertheless,
- D) Instead,

In 2005, notoriously shy American singer-songwriter Ray LaMontagne saw his life change with the success of his hit single "Trouble." That year, he performed more than thirty live sets, including at Avalon in Los Angeles, United States, and Théâtre Outremont in Montreal, Canada; \_\_\_\_\_ he'd performed fewer than a dozen times in 2004.

83

Which choice completes the text with the most logical transition?

- A) similarly,
- B) on the other hand,
- C) additionally,
- D) often,

With their distinctive cone shapes and steeply sloping sides, the volcanoes Kuchinoshima (Japan) and Tantalus (Hawaii) may look similar from afar. Gari Mayberry and other volcanologists, \_\_\_\_\_ can tell by how each was formed that Kuchinoshima is a composite volcano, while Tantalus is a cinder cone volcano.

84

Which choice completes the text with the most logical transition?

- A) for example,
- B) in addition,
- C) therefore,
- D) though,

In a 2022 analysis, researchers investigated how negative adjectives like "ashamed" evolve. \_\_\_\_\_ the researchers applied a statistical model to a set of words to infer the rate of cognate replacement—the rate at which a word will be replaced over time with a noncognate form—in Indo-European languages.

85

Which choice completes the text with the most logical transition?

- A) Specifically,
- B) Therefore,
- C) Thus,
- D) Granted,

The title of "Of the Inequality amongst Us," an essay by French philosopher Michel de Montaigne, suggests a straightforward topic. However, Montaigne's expansive, curious mind meant that he never limited himself to one subject. \_\_\_\_\_ the essay is not just a discussion of inequality but a broad exploration of Montaigne's entire worldview.

86

Which choice completes the text with the most logical transition?

- A) Lastly,
- B) That said,
- C) Predictably,
- D) Additionally,

In Argentina, the Chamber of Deputies is elected via a proportional representation (PR) system. In PR elections, votes are cast (not for specific candidates, as they are in single-member plurality systems, but for political parties) and then tabulated; \_\_\_\_\_ each qualifying party is awarded a number of seats proportional to the number of votes it received.

87

Which choice completes the text with the most logical transition?

- A) second of all,
- B) in fact,
- C) by contrast,
- D) accordingly,

Before the first railroads were built in Australia, engineers warned against using multiple track widths across the continent. \_\_\_\_\_ regional officials couldn't agree on a single-width system. Thus, railways in Queensland, like the Durundur Railway, were made using narrow tracks, while those in Victoria were built with wide tracks.

88

Which choice completes the text with the most logical transition?

- A) For this reason,
- B) In other words,
- C) Similarly,
- D) Nevertheless,

Joseph Goodrich was an outspoken abolitionist whose Wisconsin home was a stop on the underground railroad (the network of people and places that some enslaved people used to escape to freedom). \_\_\_\_\_ supporters of the railroad were secretive about their antislavery views. By and large, they were vocal abolitionists like Goodrich.

89

Which choice completes the text with the most logical transition?

- A) Occasionally,
- B) For example,
- C) Accordingly,
- D) However,

The work of contemporary Asian American poet John Yau often incorporates references to other poems and works of visual art. Typically, these allusive gestures are subtle, recognized by only the most attentive of Yau's readers. In his 2013 poem "Further Adventures in Monochrome,"

\_\_\_\_\_ Yau explicitly identifies a particular artwork—Yves Klein's 1960 painting *Silence is Golden*—as the poem's inspiration.

90

Which choice completes the text with the most logical transition?

- A) though,
- B) fittingly,
- C) similarly,
- D) for example,

With some elements, like selenium, scientists were able to isolate a relatively pure sample of the substance shortly after discovering its existence—but this wasn't the case with all elements. \_\_\_\_\_ the isolation process took a few years. The element molybdenum, for instance, was discovered in 1778 but not isolated until 1781.

91

Which choice completes the text with the most logical transition?

- A) Often,
- B) Even so,
- C) Similarly,
- D) Furthermore,

Firefly luciferase (Fluc) is a distinctly evolved enzyme that can oxidize a substrate called D-luciferin to induce bioluminescence and can act as a fatty acyl-CoA synthetase (ACS) enzyme, a class of enzyme present in all insects. \_\_\_\_\_ Fluc is a bifunctional enzyme whose presence indicates an insect is capable of emitting light; in contrast, the presence of ACS alone would be insufficient for determining bioluminescence.

92

Which choice completes the text with the most logical transition?

- A) In fact,
- B) Moreover,
- C) That is,
- D) Nevertheless,

William Shakespeare likely arrived in London as early as 1585, at the age of 21, to pursue a career in the theater. Little is known of his early years there, but by 1593 he was becoming known for plays such as *Richard III*. \_\_\_\_\_ in 1599, he would delight audiences with *Much Ado About Nothing*, considered by some to be one of his greatest works.

93

Which choice completes the text with the most logical transition?

- A) In other words,
- B) Conversely,
- C) Thus,
- D) Later,

Soil polluted with cadmium (a heavy metal) is harmful to many plants and animals, but the plant species *Elodea canadensis*, or Canadian waterweed, not only thrives in such conditions but also helps remediate them. As a metal hyperaccumulator, *Elodea canadensis* absorbs a large amount of cadmium and stores it safely in its roots and shoots; \_\_\_\_\_ cadmium concentrations in the soil decrease.

94

Which choice completes the text with the most logical transition?

- A) specifically,
- B) nevertheless,
- C) in addition,
- D) accordingly,

When, in 2017, Cambridge University students Lucy Moss and Toby Marlow decided they wanted to develop a musical together, one of their goals was for their female-actor friends to have good parts to play. \_\_\_\_\_ they created the show *Six*, a retelling of the history of King Henry VIII's wives in which each of the six queens has a starring role.

95

Which choice completes the text with the most logical transition?

- A) In summary,
- B) In other words,
- C) For example,
- D) To that end,

The prime meridian, the global indicator of zero degrees longitude established in 1884, was originally determined using astronomically derived coordinates. \_\_\_\_\_ as decades passed, new calculations would reveal increasingly precise coordinates, yet the prime meridian remained unchanged; it wasn't until the 1980s that, spurred by improved geodetic data, the prime meridian was officially moved—roughly one hundred meters east.

96

Which choice completes the text with the most logical transition?

- A) Granted,
- B) Again and again,
- C) Specifically,
- D) To that end,

Blair L. M. Kelley, a historian specializing in the history of segregation in the US, conducted extensive research while writing a book about the landmark Brown v. Board of Education court case. \_\_\_\_\_ when the book was released, colleagues in her field regarded it as a reliable source of information on the subject.

97

Which choice completes the text with the most logical transition?

- A) Likewise,
- B) Consequently,
- C) Next,
- D) Nevertheless,

Many English adjectives share a linguistic origin with their associated nouns, like the adjective "monetary" and the noun "money," both of which come from the Latin "monetarius."

\_\_\_\_\_ some adjectives do not share an origin with their associated nouns. For example, the adjective "bovine" ultimately comes from the Latin "bos," while its associated noun, "cow," comes from the Old English "cu."

98

Which choice completes the text with the most logical transition?

- A) Subsequently,
- B) For this reason,
- C) Nevertheless,
- D) Specifically,

The decades since the Second World War have seen a range of outcomes for the independence movements of Micronesia, Melanesia, and Polynesia. Many of the regions' islands and groups of islands have become independent nations. \_\_\_\_\_ the Northern Mariana Islands, a commonwealth in Micronesia consisting of fifteen islands, are part of the US, and the Society Islands, a group of islands in Polynesia including Tahiti and Bora Bora, are part of the territory of French Polynesia.

99

Which choice completes the text with the most logical transition?

- A) For example,
- B) Therefore,
- C) In fact,
- D) On the other hand,

In 2015, geologist Peter Rogerson calculated that the geographic center of Kansas was a point 2.1 miles southeast of the municipality of Bushton Bend. Rogerson's calculation was more accurate than the one from 1920 by the US Geological Survey. \_\_\_\_\_ this earlier calculation was made using far more rudimentary equipment—only cardboard and string.

100

Which choice completes the text with the most logical transition?

- A) Ultimately,
- B) Of course,
- C) Likewise,
- D) To that end,



A blend of gabardine and wool, the material for Elvis Presley's Peacock jumpsuit was flexible enough to allow the singer to perform his signature dance moves. \_\_\_\_\_ the added weight of the suit's embroidered feathers in shades of blue and green likely limited Elvis's mobility to some degree.

101

Which choice completes the text with the most logical transition?

- A) However,
- B) Firstly,
- C) In other words,
- D) For this reason,

When it was completed in 1889, the Eiffel Tower in Paris, France, was criticized—even protested—for the novelty of its unique spire-like silhouette. \_\_\_\_\_ the design is commonplace, found in everything from Eiffel Tower replicas like the one in Rio de Janeiro, Brazil, to structures like the Copenhagen Zoo Tower in Copenhagen, Denmark.

102

Which choice completes the text with the most logical transition?

- A) On the contrary,
- B) In conclusion,
- C) Furthermore,
- D) Nowadays,

Scientists studying asteroid deflection have focused on secondary objects such as S/2006 (311066), a moonlet orbiting the near-Earth asteroid 2004 DC. In 2022 NASA intentionally crashed a probe into just such an object, successfully altering its orbit. Scientists have yet to demonstrate, \_\_\_\_\_ that 2004 DC and other primary objects would be similarly affected.

103

Which choice completes the text with the most logical transition?

- A) though,
- B) for example,
- C) likewise,
- D) moreover,



In 2015, geologist Peter Rogerson calculated that the geographic center of North Dakota was a point 2.7 miles southwest of the municipality of McClusky. Rogerson's calculation was more accurate than the one from 1920 by the US Geological Survey. \_\_\_\_\_ this earlier calculation was made using far more rudimentary equipment—only cardboard and string.

104

Which choice completes the text with the most logical transition?

- A) Likewise,
- B) To that end,
- C) Of course,
- D) Ultimately,

During the 1924 New York ticker-tape parade for US Olympic champions, the ribbonlike swirls descending on the scene were paper spools from "tickers," telegraph machines used to transmit stock prices. Of course, the original ticker tape had long since been retired by the 2019 parade for the US women's national soccer team. \_\_\_\_\_ shredded standard paper enriched the celebration.

105

Which choice completes the text with the most logical transition?

- A) With this in mind,
- B) In addition,
- C) Then,
- D) In other words,

Soil polluted with manganese (a heavy metal) is harmful to many plants and animals, but the plant species *Typha latifolia*, or broadleaf cattail, not only thrives in such conditions but also helps remediate them. As a metal hyperaccumulator, *Typha latifolia* absorbs a large amount of manganese and stores it safely in its roots and shoots; \_\_\_\_\_ manganese concentrations in the soil decreases.

106

Which choice completes the text with the most logical transition?

- A) nevertheless,
- B) in addition,
- C) in turn,
- D) specifically,

When printing money for the colony of Pennsylvania in the 1730s, Benjamin Franklin – then a Philadelphia Show owner – took steps to combat the circulation of counterfeit notes, such as weaving blue threads and muscovite (a reflective mineral) into the paper he used. \_\_\_\_\_ he stamped the notes with detailed imprints of sage leaves that proved difficult for forgers to replicate.

107

Which choice completes the text with the most logical transition?

- A) Moreover,
- B) Specifically,
- C) For example,
- D) That said,

Marcel Duchamp intended his 1917 so-called ready-made sculpture Fountain to challenge then-prevailing conceptions about the nature of art. \_\_\_\_\_ Duchamp's Fountain did just that, raising the question of whether displaying any object in an art gallery could be said to transform the object—even, as Duchamp's sculpture was, a urinal—into a legitimate work of art.

108

Which choice completes the text with the most logical transition?

- A) Instead,
- B) In addition,
- C) Similarly,
- D) Indeed,

Generally, sleek vehicles are more aerodynamic than bulkier ones. The streamlined nose of the Cessna 310 jet, \_\_\_\_\_ helps it glide through wind with relative ease, while a boxy semitruck encounters more wind resistance, making it less aerodynamic.

109

Which choice completes the text with the most logical transition?

- A) however,
- B) for example,
- C) additionally,
- D) meanwhile,

Eirene, one of the eighty known moons of Jupiter, is designated as Jupiter LVII ("LVII" means "57"). Roman numerals typically indicate the order in which the moons were named rather than the order of their proximity to Jupiter. It is incorrect to assume, \_\_\_\_\_ that Eirene is fifty-seventh moon from Jupiter in terms of proximity.

110

Which choice completes the text with the most logical transition?

- A) moreover,
- B) finally,
- C) however,
- D) then,

With some elements, like phosphorus, scientists were able to isolate a relatively pure sample of the substance shortly after discovering its existence – but this wasn't the case with all elements. \_\_\_\_\_ the isolation process took a few years. The element molybdenum, for instance, was discovered in 1778 but not isolated until 1781.

111

Which choice completes the text with the most logical transition?

- A) Even so,
- B) Similarly,
- C) Furthermore,
- D) Often,

Following the American Revolutionary War, North American foodways underwent a radical transformation, fueled in large part by spiking consumer demand for certain grains. The cultivation, trade, and transportation of maize and wheat, \_\_\_\_\_ reconfigured the continent's existing regional foodways into a globally oriented food system.

112

Which choice completes the text with the most logical transition?

- A) by comparison,
- B) second of all,
- C) alternatively,
- D) in particular,

In 1965, Morrie Turner's comic strip Wee Pals became the first serial comic by a Black cartoonist to be syndicated, appearing in papers nationwide. \_\_\_\_\_ many other strips by Black cartoonists were syndicated, including Charles Boyce's Compu-Toon in 1994 and Aaron McGruder's The Boondocks in 1996.

113

Which choice completes the text with the most logical transition?

- A) That is,
- B) Previously,
- C) For example,
- D) Later,

The star Wezen is unvaryingly bright, consistently ranking as one of the brightest stars in the sky (Wezen ranked 36th on a recent list). By contrast, the brightness of the red giant Betelgeuse varies considerably. Indeed, between April and June 2023, Betelgeuse became an astonishing 40% brighter; \_\_\_\_\_ its ranking rose from 10th to 7th.

114

Which choice completes the text with the most logical transition?

- A) in sum,
- B) in turn,
- C) specifically,
- D) for example,

Generally, sleek vehicles are more aerodynamic than bulkier ones. The streamlined nose of the F-4 Phantom II jet, \_\_\_\_\_ helps it glide through wind with relative ease, while a boxy semitruck encounters more wind resistance, making it less aerodynamic.

115

Which choice completes the text with the most logical transition?

- A) however,
- B) meanwhile,
- C) for example,
- D) additionally,

Katharine Kuh and Bernarda Bryson Shahn have both received Lifetime Achievement Awards from the Women's Caucus for Art, though for different reasons. Kuh was honored for her work as an art historian; Bryson, \_\_\_\_\_ was recognized for her contributions as a painter.

116

Which choice completes the text with the most logical transition?

- A) as a result,
- B) for instance,
- C) in other words,
- D) by contrast,

In a 2022 analysis of 200 terms, researchers found a broad pattern of valence-dependent mutation for which negative words saw a faster rate of cognate replacement—

\_\_\_\_\_ the rate at which a word will be replaced over time with a noncognate form. Adjectives (e.g. "frightened") saw the largest effect; nouns (e.g. "pain"), meanwhile, saw the smallest.

117

Which choice completes the text with the most logical transition?

- A) likewise,
- B) that is,
- C) for example,
- D) in addition,

At past Olympics, in contrast to demonstration sports with international appeal, regionally popular sports were exhibited as onetime showcases. \_\_\_\_\_ while the internationally popular sport of handball became a medal event after demonstration, kaatsen, a handball sport popular in the Netherlands, only appeared at the 1928 Amsterdam Olympics.

118

Which choice completes the text with the most logical transition?

- A) Moreover,
- B) Accordingly,
- C) Granted,
- D) However,

Generally, sleek vehicles are more aerodynamic than bulkier ones. The streamlined nose of the T-38 Talon jet, \_\_\_\_\_ helps it glide through wind with relative ease, while a boxy semitruck encounters more wind resistance, making it less aerodynamic.

119

Which choice completes the text with the most logical transition?

- A) meanwhile,
- B) for example,
- C) additionally,
- D) however,

Marcel Duchamp intended his 1917 so-called ready-made sculpture Fountain to challenge then-prevailing conceptions about the nature of art. \_\_\_\_\_ Duchamp's Fountain did just that, raising the question of whether displaying any object in an art gallery could be said to transform the object—even, as Duchamp's sculpture was, a urinal—into a legitimate work of art.

120

Which choice completes the text with the most logical transition?

- A) Similarly,
- B) Instead,
- C) Indeed,
- D) In addition,

Just as the state of Hawaii has a designated state flower, tree, and bird, it also has a state soil: Hilo soil. Hilo is a fitting choice for state soil, in large part because it can be found in abundance across the state. \_\_\_\_\_ it plays an important role in Hawaii's agricultural industry and is used to grow a variety of crops, like ginger and taro.

121

Which choice completes the text with the most logical transition?

- A) Alternatively,
- B) By contrast,
- C) At that time,
- D) Additionally,

In eastern Mexico, Monument 61 and Monument 1 are the names given to two massive human head statues that were left behind by the ancient Olmec civilization. Both statues are made of stone and are extremely heavy. \_\_\_\_\_ they each weigh more than 5 tons!

122

Which choice completes the text with the most logical transition?

- A) In any case,
- B) Earlier,
- C) In fact,
- D) Instead,

In 2014, Nestor Gomez won his first-ever storytelling competition, relating a tale about his life as a Guatemalan immigrant living in Chicago. \_\_\_\_\_ in 2017, Gomez created the show 80 Minutes Around the World as a platform for others to share stories about their immigration experiences.

123

Which choice completes the text with the most logical transition?

- A) Instead,
- B) For example,
- C) Later,
- D) In other words,

F. Julius LeMoyne was an outspoken abolitionist whose Pennsylvania home was a stop on the underground railroad (the network of people and places that some enslaved people used to escape to freedom). It was relatively rare for supporters of the railroad to be secretive about their antislavery views. \_\_\_\_\_ they were vocal abolitionists like LeMoyne.

124

Which choice completes the text with the most logical transition?

- A) Fittingly,
- B) Granted,
- C) More often,
- D) For example,



Though Middle English was widely spoken in fourteenth-century England, the English language was rarely employed in literature until poet Geoffrey Chaucer pioneered its literary use.

\_\_\_\_\_ his manuscripts contain the first documented uses of over 2,000 English words – like the word "digestion" in his 1395 poem "The Squire's Tale"– which led a contemporary to dub him "the first finder of our fair language."

125

Which choice completes the text with the most logical transition?

- A) However,
- B) Besides,
- C) In fact,
- D) On the contrary,

In skateboarding, the 900 – a trick in which the skateboarder spins two and a half times in midair – is so rare that every successful execution of it is a historic occasion.

\_\_\_\_\_ ever since Mitchie Brusco and Tas Pappas performed their 900s (in 2011 and 2014, respectively), fans have revered them as titans of the sport.

126

Which choice completes the text with the most logical transition?

- A) In conclusion,
- B) By comparison,
- C) For this reason,
- D) Regardless,

Visually distinguishing the common raven (*Corvus corax*) from the Chihuahuan raven (*Corvus cryptoleucus*) can confound even seasoned bird watchers. \_\_\_\_\_ the two species share similarities that – at times – make the birds appear virtually identical. Size, though, remains a differentiating feature: the common raven tends to be larger.

127

Which choice completes the text with the most logical transition?

- A) Instead,
- B) Moreover,
- C) Indeed,
- D) Thus,

Marcia Rieke is a space scientist who works on the James Webb Space Telescope, or JWST. Thanks in part to Rieke's contributions, the telescope is now positioned near the Sun–Earth L2 Lagrange point, almost one million miles beyond Earth's orbit. \_\_\_\_\_ the JWST's predecessor, the Hubble Telescope, is only about 340 miles above Earth's surface.

128

Which choice completes the text with the most logical transition?

- A) Therefore,
- B) Similarly,
- C) By contrast,
- D) Secondly,



Photogrammetry and polygonal modeling, methods used by digital artists to create three-dimensional elements for video games, typically require software to process geometric shapes numbering in the thousands.

\_\_\_\_\_ these approaches are more economical than surface model methods, which require more powerful and expensive processors to manage polygons numbering in the millions.

129

Which choice completes the text with the most logical transition?

- A) For example,
- B) Instead,
- C) As such,
- D) Specifically,

The total solar eclipse of June 5, 762 BCE, was the second-longest total eclipse before the Dark Ages – 7 minutes, 25 seconds long. Another memorable solar eclipse occurred on March 21, 424 BCE, but unlike the 762 BCE eclipse, the 424 BCE eclipse was annular. \_\_\_\_\_ the Moon didn't cover the Sun completely, instead creating an annulus, or "ring of fire."

130

Which choice completes the text with the most logical transition?

- A) Meanwhile,
- B) That is,
- C) For example,
- D) Nonetheless,

John Thomson employed the pseudonym "Gracchus" – the name of an ancient Roman politician – in political essays he wrote in 1795, a choice that accomplished far more than simply concealing his authorship. \_\_\_\_\_ it wasn't an arbitrary pen name but rather a complex rhetorical strategy through which Thomson aligned his political views with the venerated republican ideals of the ancient world, thereby bolstering the authority of his writing.

131

Which choice completes the text with the most logical transition?

- A) Indeed,
- B) Conversely,
- C) In addition,
- D) However,

In Annie Dillard's *Pilgrim at Tinker Creek* – where, early on, the author marvels at a single goldfish's delicate fins but later winces when imagining a horde of goldfish laying and eating their own eggs – Dillard struggles to reconcile the complicated juxtapositions of the natural world.

\_\_\_\_\_ nature's mesmerizing intricacy and pitiless harshness prove inextricably linked for Dillard, like "two branches of the same creek."

132

Which choice completes the text with the most logical transition?

- A) Ultimately,
- B) To that end,
- C) Hence,
- D) Moreover,

Textile artist Amber Joy Greenidge-Sabral wanted to avoid using harsh synthetic dyes that could be damaging to the environment.

\_\_\_\_\_ she began experimenting with more environmentally friendly natural dye methods, using organic materials like Texas paintbrush and madder root for their natural brown and red colors.

133

Which choice completes the text with the most logical transition?

- A) With this in mind,
- B) To sum up,
- C) Nevertheless,
- D) In actuality,

While most animals prefer the safety of nighttime migration, many poisonous amphibians – a category that includes the red-bellied newt and the fire salamander – safely engage in migratory behavior during the day.

\_\_\_\_\_ with the sun in the sky, the amphibians' striking color patterns deter visually oriented daytime predators by serving as a warning of toxicity.

134

Which choice completes the text with the most logical transition?

- A) At that time,
- B) For example,
- C) In other words,
- D) However,

Residents of Cairo, Egypt, rely on its rapid transit system, the Cairo Metro, for millions of trips each year. \_\_\_\_\_ city officials strive to maintain the system's 71 stations to ensure each of these journeys is as smooth as possible.

135

Which choice completes the text with the most logical transition?

- A) For this reason,
- B) However,
- C) For example,
- D) Alternatively,

Box modeling, used by digital artists to develop 3D assets for video games, yields objects with precise mathematical proportions. Granted, as they are formed from perfect geometric shapes, such 3D elements lack organic realism; \_\_\_\_\_ post-modeling processes such as UV surface mapping are needed to achieve the level of verisimilitude gamers expect.

136

Which choice completes the text with the most logical transition?

- A) consequently,
- B) similarly,
- C) in sum,
- D) however,

In his painting *At the Cycle-Race Track*, Jean Metzinger aims to depict a bike race in four-dimensional space. Of course, Metzinger's painting doesn't technically represent a fourth dimension; humans can only see in three dimensions. \_\_\_\_\_ by depicting the race through multiple, simultaneous perspectives, Metzinger offers a fascinating glimpse at what this other universe might look like.

137

Which choice completes the text with the most logical transition?

- A) For example,
- B) That said,
- C) In other words,
- D) Moreover,

In 2015, geologist Peter Rogerson recalculated the geographic center of Nebraska, which had previously been determined in 1920 by the US Geological Survey (USGS). The USGS, Rogerson contended, had omitted important considerations, not least the curvature of the earth. \_\_\_\_\_ the state's USGS-determined center – a point 10 miles northwest of the municipality of Broken Bow – was inaccurate.

138

Which choice completes the text with the most logical transition?

- A) Next,
- B) That being said,
- C) Hence,
- D) However,

On August 5, 1938, aviator Douglas Corrigan received a ticker-tape parade in New York City in recognition of his transatlantic flight. Of the 206 ticker-tape parades held between 1886 and 2022, a number were for achievements in aviation. \_\_\_\_\_ Corrigan's parade was just one of 16 honoring pilots.

139

Which choice completes the text with the most logical transition?

- A) In addition,
- B) Therefore,
- C) Indeed,
- D) Nevertheless,

Guard cells are specialized cells that are part of a plant's pores. These cells help regulate the amount of carbon dioxide a plant takes in. \_\_\_\_\_ they help regulate a plant's water loss.

140

Which choice completes the text with the most logical transition?

- A) In conclusion,
- B) Additionally,
- C) Instead,
- D) Previously,

Elara, one of the eighty known moons of Jupiter, is designated as Jupiter VII ("VII" means "7"). Roman numerals typically indicate the order in which the moons were named rather than the order of their proximity to Jupiter. It is incorrect to assume, \_\_\_\_\_ that Elara is the seventh moon from Jupiter in terms of proximity.

141

Which choice completes the text with the most logical transition?

- A) however,
- B) then,
- C) moreover,
- D) finally,

Kho kho, a tag-like sport that originated in India, was not a medal sport at the 1936 Berlin Summer Olympic Games. \_\_\_\_\_ kho kho was featured at the Games as a demonstration sport. Demonstration sports have been featured at past Olympics to showcase lesser known or regionally significant sports.

142

Which choice completes the text with the most logical transition?

- A) For example,
- B) Rather,
- C) Thus,
- D) Additionally,

The names of geological eras uniformly describe phases in Earth's evolutionary history (e.g., Cenozoic means "new life"). Names given to geological periods, \_\_\_\_\_ are of diverse origins. The Silurian period is named after the Celtic tribe the Silures, for example, while the Permian period takes Its name from the historical region of Perm in Russia.

143

Which choice completes the text with the most logical transition?

- A) in turn,
- B) furthermore,
- C) on the other hand,
- D) therefore,

Connecticut lawyer and statesman Roger Sherman strategically adopted the pen name "A Citizen of New Haven" when voicing support for the ratification of the US Constitution in the New-Haven Gazette. Publishing pseudonymously offered a number of advantages, such as shielding a writer from criticism and controversy. \_\_\_\_\_ by removing a potential source of bias (the writer's name), it encouraged readers to focus on an essay's arguments.

144

Which choice completes the text with the most logical transition?

- A) Moreover,
- B) In other words,
- C) Specifically,
- D) For example,

As technology has advanced, many countries have sought to gain an advantage in, or even control parts of, space and its celestial bodies. \_\_\_\_\_ is the 1967 Outer Space Treaty signed by Austria, Finland, and over 100 other nations that curtails these ambitions and ensures that space remains a neutral place for the international community.

145

Which choice completes the text with the most logical transition?

- A) Consequently,
- B) Specifically,
- C) Alternatively,
- D) Ultimately,

Motion capture is one tool digital artists employ while developing visuals for video games.

\_\_\_\_\_ digital artists use motion capture to digitally capture real-life movements and convert them to 3D game animations.

146

Which choice completes the text with the most logical transition?

- A) Thus,
- B) In addition,
- C) Specifically,
- D) By comparison,

Analyses of Rembrandt's seventeenth-century painting *The Night Watch*, citing its richly saturated colors and stark contrasts between light and shadow, often characterize the work as an exemplar of the Baroque-era style. Many art historians, however, challenge the very notion of a distinct Baroque era. They claim that the so-called Baroque aesthetic was, \_\_\_\_\_ just an extension of the styling of the Renaissance era.

147

Which choice completes the text with the most logical transition?

- A) in reality,
- B) first of all,
- C) similarly,
- D) nevertheless,

Physicist Walter Massey led numerous scientific organizations over his long career. His most prominent appointment came in 1990, when Massey was named director of the National Science Foundation. \_\_\_\_\_ Massey had served as the first president of the National Society of Black Physicists.

148

Which choice completes the text with the most logical transition?

- A) In conclusion,
- B) Previously,
- C) Thus,
- D) For example,

A team of ornithologists documented patterns of conspecific brood parasitism among wood ducks (*Aix sponsa*) in California. The researchers observed several female wood ducks visiting dozens of nesting sites and laying eggs to be incubated by other nesting *A. sponsa*. Subject 7F64B, \_\_\_\_\_ visited a select few nesting sites before laying and incubating her eggs herself.

149

Which choice completes the text with the most logical transition?

- A) for example,
- B) in particular,
- C) similarly,
- D) alternatively,



Modernist architect Adolf Loos argued that buildings shouldn't have ornaments, such as elaborate carvings, because such ornaments don't have a meaningful purpose. Post-modernist architect Denise Brown argued that ornaments can serve a purpose. \_\_\_\_\_ they can communicate useful information about a city's history and culture.

150

Which choice completes the text with the most logical transition?

- A) However,
- B) As a result,
- C) For instance,
- D) Finally,

John Thomson employed the pseudonym "Gracchus" – the name of an ancient Roman politician – in political essays he wrote in 1795, a choice that accomplished far more than simply concealing his authorship. \_\_\_\_\_ it wasn't an arbitrary pen name but rather a complex rhetorical strategy through which Thomson aligned his political views with the venerated republican ideals of the ancient world, thereby bolstering the authority of his writing.

151

Which choice completes the text with the most logical transition?

- A) Indeed,
- B) Conversely,
- C) In addition,
- D) However,

In Annie Dillard's *Pilgrim at Tinker Creek*—where, early on, the author marvels at a single goldfish's delicate fins but later winces when imagining a horde of goldfish laying and eating their own eggs—Dillard struggles to reconcile the complicated juxtapositions of the natural world. \_\_\_\_\_ nature's mesmerizing intricacy and pitiless harshness prove inextricably linked for Dillard, like "two branches of the same creek." Which choice completes the text with the most logical transition?

152

Which choice completes the text with the most logical transition?

- A) Ultimately,
- B) To that end,
- C) Hence,
- D) Moreover,

Christine Chen is a space scientist who works on the James Webb Space Telescope, or JWST. Thanks in part to Chen's contributions, the telescope is now positioned near the Sun-Earth L2 Lagrange point, almost one million miles beyond Earth's orbit. \_\_\_\_\_ the JWST's predecessor, the Hubble Telescope, is only about 340 miles above Earth's surface.

153

Which choice completes the text with the most logical transition?

- A) Therefore,
- B) By contrast,
- C) Similarly,
- D) Secondly,

Contour modeling and box modeling, methods used by digital artists to create three-dimensional elements for video games, typically require software to process geometric shapes numbering in the thousands. \_\_\_\_\_ these approaches are more economical than surface model methods, which require more powerful and expensive processors to manage polygons numbering in the millions.

154

Which choice completes the text with the most logical transition?

- A) Instead,
- B) Specifically,
- C) As such,
- D) For example,

The total solar eclipse of April 16, 1178 BCE, was famously described in Homer's epic poem *The Odyssey*. Another memorable solar eclipse occurred on April 21, 899 BCE, but unlike the 1178 BCE eclipse, the 899 BCE eclipse was annular. \_\_\_\_\_ the Moon didn't cover the Sun completely, instead creating an annulus, or "ring of fire."

155

Which choice completes the text with the most logical transition?

- A) For example,
- B) Meanwhile,
- C) That is,
- D) Nonetheless,

In 1949, Frank Zamboni developed an ice rink resurfacing machine. As Zamboni's machine moved along the rink's surface, it first scraped off the top layer of ice. \_\_\_\_\_ it sprayed water into the deep grooves left behind by customers' skates. Lastly, it smoothed over the newly formed ice.

156

Which choice completes the text with the most logical transition?

- A) For example,
- B) Next,
- C) Similarly,
- D) In contrast,

Working together with the Navajo Nation Department of Water Resources, Dr. Lani Tsinnajinnie analyzed data about snowpack levels in the Chuska Mountains. She found that the snowpack (the amount of snow on the ground) was deepest in early March at lower elevations. At higher elevations, \_\_\_\_\_ the snowpack was deepest in mid-March.

157

Which choice completes the text with the most logical transition?

- A) in other words,
- B) for instance,
- C) on the other hand,
- D) in summary,

Biographer Michael Gorra notes that the novelist Henry James "lived in a world of second thoughts," frequently tinkering with his novels and stories after their initial publication. However, the differences between the 1881 first edition and the 1908 edition of his novel *A Portrait of a Lady* are extreme, even by James's standards; \_\_\_\_\_ some critics regard the two editions as two different novels altogether.

158

Which choice completes the text with the most logical transition?

- A) by contrast,
- B) in fact,
- C) nevertheless,
- D) in other words,

Scientists studying asteroid deflection have focused on secondary objects such as S/2006 (311066), a moonlet orbiting the near-Earth asteroid 2004 DC. In 2022 NASA intentionally crashed a probe into just such an object, successfully altering its orbit. Scientists have yet to demonstrate, \_\_\_\_\_ that 2004 DC and other primary objects would be similarly affected.

159

Which choice completes the text with the most logical transition?

- A) though,
- B) for example,
- C) likewise,
- D) moreover,

In Ethiopia, citizens must be at least 18 years old to vote in their country's elections.  
\_\_\_\_\_ citizens in Cuba need only be 16 years old to cast their vote.

160

Which choice completes the text with the most logical transition?

- A) By contrast,
- B) Firstly,
- C) Foreexample,
- D) Therefore,

In astrophysics, a ring of debris orbiting a larger object within the object's Roche limit is expected to persist as a ring, whereas a ring of debris orbiting outside this limit would likely accrete into a satellite (e.g., a moon). Bruno Morgado and colleagues, \_\_\_\_\_ detected a dense ring of material orbiting the trans-Neptunian object Quaoar at a distance of 2,500 miles, well outside the calculated Roche limit of 1.100 miles, that has remained intact.

161

Which choice completes the text with the most logical transition?

- A) likewise,
- B) for example,
- C) fittingly,
- D) though,

To notice subtle variations in the progression of the still life painting genre in Europe, first consider Abraham Mignon's "Still Life with Fruit and a Beaker on a Cock's Foot" from 1669; \_\_\_\_\_ compare it to Jean-Siméon Chardin's "Still Life with Herrings" from 1735.

162

Which choice completes the text with the most logical transition?

- A) instead,
- B) next,
- C) still,
- D) therefore,

In an ekphrastic poem, a poet explores a work of visual art, such as a drawing, sculpture, or painting. Robert Hayden's 1994 poem "Monet's Waterlilies," for example, meditates on Claude Monet's 1899 painting Water Lilies: Elizabeth Alexander's 2001 poem "Islands Number Four," \_\_\_\_\_ takes a painting as its subject: Agnes Martin's 1961 work Islands No. 4.

163

Which choice completes the text with the most logical transition?

- A) conversely,
- B) nevertheless,
- C) hence,
- D) likewise,

In 1920, the US Geological Survey determined the geographic center of Tennessee using only a cardboard cutout of the state and a piece of string. \_\_\_\_\_ this apparently crude technique yielded a relatively close approximation: when the 1920 center was compared to a center determined by a computer program nearly a hundred years later, the two diverged by just a few miles.

164

Which choice completes the text with the most logical transition?

- A) Still,
- B) Similarly,
- C) In other words,
- D) Fittingly,

While most animals prefer the safety of nighttime migration, many poisonous amphibians -a category that includes the Panamanian golden frog and the cane toad safely engage in migratory behavior during the day. \_\_\_\_\_with the sun in the sky, the amphibians striking color patterns deter visually oriented daytime predators by serving as a warning of toxicity.

165

Which choice completes the text with the most logical transition?

- A) However,
- B) At that time,
- C) In other words,
- D) For example,

To notice subtle variations in the progression of the still life painting genre in Europe, first consider Tomás Hiepes's "Still Life with Birds and Hares" from 1643; \_\_\_\_\_ compare it to Adolphe-Félix Cals's "Still Life with Vegetables, Partridge, and a Jug" from 1858.

166

Which choice completes the text with the most logical transition?

- A) instead,
- B) next,
- C) still,
- D) therefore,

As an anti-federalist, Pennsylvania politician and writer Samuel Bryan objected to the US Constitution's provisions for a powerful centralized government and opposed the document's ratification; \_\_\_\_\_ essays he published in the Philadelphia Independent Gazetteer in October 1787 under the pseudonym "Centinel" disparaged the arguments of the federalists, who supported the Constitution's adoption.

167

Which choice completes the text with the most logical transition?

- A) by comparison,
- B) fittingly,
- C) nevertheless,
- D) in other words,

The album *Irreversible 2012* by La Arrolladora Banda El Limón De René Camacho received much critical attention and praise for its contribution to the banda genre, a form of regional Mexican music featuring large ensembles of wind instruments and drums that first developed in southern and central Mexico in the mid-nineteenth century. \_\_\_\_\_ few were surprised when the album won the Best Banda Album award at the 2012 Latin Grammys.

168

Which choice completes the text with the most logical transition?

- A) Often,
- B) Therefore,
- C) Nevertheless,
- D) Granted,

In an ekphrastic poem, a poet explores a work of visual art, such as a drawing, sculpture, or painting. Elizabeth Alexander's 2011 poem "Walking," for example, meditates on Charles Alston's 1963 painting *Walking*; Cornelius Eady's 2001 poem "Jacob Lawrence. Summer Street Scene," \_\_\_\_\_ takes a painting as its subject: Jacob Lawrence's 1948 work *Summer Street Scene in Harlem*.

169

Which choice completes the text with the most logical transition?

- A) nevertheless,
- B) conversely,
- C) likewise,
- D) hence,

As part of a study, participants were asked to list animals they thought of as "charismatic," which was defined as "attractive, fascinating, or appealing." Researchers compiled the responses into a single list and found that elephants were ranked higher than crocodiles. \_\_\_\_\_ elephants were ranked third, and crocodiles were ranked fifteenth.

170

Which choice completes the text with the most logical transition?

- A) Therefore,
- B) Specifically,
- C) On the other hand,
- D) Later,



In astrophysics, a ring of debris orbiting a larger object within the object's Roche limit is expected to persist as a ring, whereas a ring of debris orbiting outside this limit would likely accrete into a satellite (e.g., a moon). Bruno Morgado and colleagues, \_\_\_\_\_ detected a dense ring of material orbiting the trans-Neptunian object Quaoar at a distance of 2,500 miles, well outside the calculated Roche limit of 1,100 miles, that has remained intact.

171

Which choice completes the text with the most logical transition?

- A) likewise,
- B) for example,
- C) fittingly,
- D) though,

Despite its great distance from Earth-it is 570 light-years away-the star Shaula is one of the brightest stars in the sky, ranking 23rd. Although not as bright as Shaula, the star Alsephina also ranks among the 50 brightest stars (45th, to be exact). \_\_\_\_\_ Alsephina's brightness is likely due to the star's relative proximity: Alsephina is only 80 light-years from Earth.

172

Which choice completes the text with the most logical transition?

- A) Indeed,
- B) As a result,
- C) Granted,
- D) Similarly,

In an ekphrastic poem, a poet explores a work of visual art, such as a drawing, sculpture, or painting. Robert Hayden's 1994 poem "Monet's Waterlilies," for example, meditates on Claude Monet's 1899 painting Water Lilies; Sasha Pimentel's 2017 poem "The Kiss", \_\_\_\_\_ takes a painting as its subject: Gustav Klimt's 1908 work The Kiss.

173

Which choice completes the text with the most logical transition?

- A) nevertheless,
- B) likewise,
- C) hence,
- D) conversely,

Contemplating the beauty of a natural landscape, the serene speaker of William Wordsworth's poem "Lines Composed a Few Miles above Tintern Abbey" (1798) seems wholly insulated from society. As scholars have argued, however, Wordsworth's retreat to nature was an aesthetic response to-and implicit critique of-England's rapid industrialization and urbanization at that time. \_\_\_\_\_ despite its idyllic quality, the poem bears the imprint of the dramatic changes affecting English life.

174

Which choice completes the text with the most logical transition?

- A) For example,
- B) As such,
- C) Nevertheless,
- D) Moreover,

Generally, sleek vehicles are more aerodynamic than bulkier ones. For example, the streamlined nose of the T-38 Talon jet helps it glide through wind with relative ease. \_\_\_\_\_ a boxy semitruck encounters more wind resistance, making it less aerodynamic.

175

Which choice completes the text with the most logical transition?

- A) As a result,
- B) Specifically,
- C) In conclusion,
- D) On the other hand,

To notice subtle variations in the progression of the still life painting genre in Europe, first consider Willem van Aelst's "Still Life with Dead Game" from 1661;

\_\_\_\_\_compare it to Jan van Huysum's "Still Life with Flowers" from 1723.

176

Which choice completes the text with the most logical transition?

- A) therefore,
- B) still,
- C) instead,
- D) next,

Soil polluted with iron (a heavy metal) is harmful to many plants and animals, but the plant species *Limnocharis flava*, or yellow velvetleaf, not only thrives in such conditions but also helps remediate them. As a metal hyperaccumulator, *Limnocharis flava* absorbs a large amount of iron and stores it safely in its roots and shoots: \_\_\_\_\_iron concentrations in the soil decrease.

177

Which choice completes the text with the most logical transition?

- A) specifically,
- B) nevertheless,
- C) in addition,
- D) accordingly,

In a 2024 study, researchers investigating the biodiversity of trees in Amsterdam counted and classified the city's trees. They found notable variation in the percentage of native trees in different areas of the city. \_\_\_\_\_ more than half of the trees in administrative unit GE05 (54%) were native species, but only 12% of the trees in administrative unit GE04 were native species.

178

Which choice completes the text with the most logical transition?

- A) As was previously stated,
- B) Exemplifying this variation,
- C) Contrary to this finding,
- D) Resulting from this conclusion,

Every US state has an associated state soil, which is typically selected by a group of experts, then passed through the state legislature to receive its official designation. For example, Oklahoma's Port Silt Loam soil was formally designated in 1987, and Maine's Chesuncook soil in 1999. \_\_\_\_\_ years pass between a soil's selection and official designation, as the legislative process can be notoriously slow.

179

Which choice completes the text with the most logical transition?

- A) Therefore,
- B) Often,
- C) Similarly,
- D) Indeed,

A 1990 study of schooling fish observed the fish mimicking the behavior of school-mates rapidly swimming away from a predator. This is an example of an information cascade that benefits the collective. \_\_\_\_\_ the animal world is at times susceptible to the spread of misinformation, often with unfavorable results: a 2010 study of semipalmated sandpipers concluded that fleeing in response to flock-mates' false alarms caused the birds to abandon safe nesting grounds unnecessarily.

180

Which choice completes the text with the most logical transition?

- A) In other words,
- B) Conversely,
- C) Indeed,
- D) Consequently,

If you were to view the Namarunu volcano in Kenya from above, you might notice that its low profile and gently sloping sides make it look a bit like a shield lying flat on the ground.

\_\_\_\_\_ it makes sense that Lydia Jennings and other volcanologists classify Namarunu as a shield volcano.

181

Which choice completes the text with the most logical transition?

- A) For instance,
- B) Therefore,
- C) However,
- D) By contrast,

The moon Dia orbits Jupiter in the same direction that the planet rotates.

\_\_\_\_\_ Dia's orbit is described as prograde. Erinome, another of Jupiter's moons, orbits in the opposite direction, so its orbit is described with the opposite term: retrograde.

182

Which choice completes the text with the most logical transition?

- A) However,
- B) Thus,
- C) Likewise,
- D) Next,

Scientists studying asteroid deflection have focused on secondary objects such as S/2015 (190208), a moonlet orbiting the near-Earth asteroid 2006 AQ. In 2022 NASA intentionally crashed a probe into just such an object, successfully altering its orbit. Scientists have yet to demonstrate, \_\_\_\_\_ that 2006 AQ and other primary objects would be similarly affected.

183

Which choice completes the text with the most logical transition?

- A) for example,
- B) admittedly,
- C) moreover,
- D) likewise,

Many paintings of the trompe l'oeil genre attain their illusory verisimilitude by depicting quotidian things, such as a fly or an empty bird cage, as if they are placed directly on top of the painted canvas. Nicola van Houbraken's 1700 trompe l'oeil Portrait of François Rivière, \_\_\_\_\_ startles the viewer with the extraordinary sight of a man appearing to poke his head out from within the picture frame.

184

Which choice completes the text with the most logical transition?

- A) fittingly,
- B) by contrast,
- C) for instance,
- D) specifically,

In 1929, scientists first isolated a sample of the steroid hormone progesterone, which they knew existed in animals – and they assumed only in animals. \_\_\_\_\_ researchers would find progesterone in corn plants (*Zea mays*), but this discovery wouldn't come until decades later.

185

Which choice completes the text with the most logical transition?

- A) In other words,
- B) For example,
- C) Eventually,
- D) Earlier,

Decentralized space, in which no points in the performance space are privileged over others, was one of the central principles of Merce Cunningham's choreographic philosophy. The approach marked a radical departure from the dance philosophies of Cunningham's mid-twentieth-century contemporaries.

\_\_\_\_\_ resulting in his dance pieces, like *Interscape Mirage*, being received not merely as experimental spectacles but as groundbreaking artworks.

186

Which choice completes the text with the most logical transition?

- A) Moreover, Cunningham incorporated his principles with great skill and artistry.
- B) Specifically, Cunningham was an accomplished dancer as well as choreographer,
- C) Accordingly, Cunningham founded his namesake dance company in 1953,
- D) In contrast, Cunningham gained a reputation as an unpredictable iconoclast,

Many past Olympic Games featured demonstration sports-nonmedal events-to showcase sports related to the host country. These events included korfbal, a handball sport popular in the Netherlands, and kyūdō, a Japanese form of archery. \_\_\_\_\_ they were chosen as demonstration sports at the Olympic Games in Amsterdam, the Netherlands, and Tokyo, Japan, respectively.

187

Which choice completes the text with the most logical transition?

- A) Additionally,
- B) By contrast,
- C) Fittingly,
- D) Nevertheless,

Since 1941, the South Side Community Art Center in Chicago, Illinois, has cultivated a multigenerational community of Black creatives—from writer Gwendolyn Brooks, to musician Nat King Cole, to visual artists like Allen Stringfellow and Frank Hayden.

\_\_\_\_\_ it has garnered a reputation as a hub of Black art and culture in Chicago.

188

Which choice completes the text with the most logical transition?

- A) Accordingly,
- B) On the other hand,
- C) Nevertheless,
- D) Periodically,

For several centuries after the birth of opera in sixteenth-century Florence, Italian remained the default language in which most opera scores were written. \_\_\_\_\_ opera singers today, such as the soprano Pretty Yende, encounter a wide range of Italian terms—from *furioso* (furiously) to *affrettando* (at a hurried tempo)—when following many eighteenth-century opera scores.

189

Which choice completes the text with the most logical transition?

- A) However,
- B) Thus,
- C) Lastly,
- D) Granted,

At Storm King Art Center, an outdoor sculpture park in New York, Herbert Ferber's *Konkapot Ilis* exposed to rain, snow, heat, and humidity. \_\_\_\_\_ it remains in good condition due to its material: Ferber's sculpture is made of corrosion-resistant steel.

190

Which choice completes the text with the most logical transition?

- A) As a result,
- B) That said,
- C) In addition,
- D) On the contrary,

Known as an "empire on which the sun never sets," the Spanish Empire once controlled portions of five continents. Its legacy can still be seen, and heard, in the Spanish-speaking nation of Cuba, which gained its independence from Spain in the nineteenth century.

\_\_\_\_\_ a former colony's tie to the Spanish Empire is so tenuous that Spanish is seldom spoken there; an example is Sardinia, which ceased to be part of the empire in 1720.

191

Which choice completes the text with the most logical transition?

- A) Sometimes,
- B) On the other hand,
- C) At the same time,
- D) In addition,



While studying jorō spiders, a large species originally from East Asia, University of Georgia researchers wondered if the spiders' rapid spread throughout the southeastern US was a result of aggressive behavior. \_\_\_\_\_ they discovered that jorō spiders are gentle giants who react to even minor disturbances by "freezing" in place for an hour or more.

192

Which choice completes the text with the most logical transition?

- A) Instead,
- B) Therefore,
- C) For example,
- D) In other words,

Some bands choose a name that's as unique as possible to distinguish themselves from other bands. The experimental rock band Boris, \_\_\_\_\_ took a different approach. They chose to name themselves after a song by a well-known band, the Melvins.

193

Which choice completes the text with the most logical transition?

- A) therefore,
- B) secondly,
- C) by contrast,
- D) for example,

Portuguese researcher Isabel C.F.R. Ferreira reports that the cinnamic acid in termite mushrooms benefits the mushroom by combating harmful molecules called free radicals. \_\_\_\_\_ Ferreira suggests that the acid can promote cellular health in humans, who also experience free radical damage.

194

Which choice completes the text with the most logical transition?

- A) For example,
- B) Moreover,
- C) Conversely,
- D) Rather,

The Eloi are not real: they are fictional creatures that feature in H.G. Wells's acclaimed science fiction novella *The Time Machine*. the Eloi were prime candidates for inclusion in Jorge Luis Borges and Margarita Guerrero's *The Book of Imaginary Beings*, a compendium of fantastical entities from legend and literature.

195

Which choice completes the text with the most logical transition?

- A) In reality,
- B) Granted,
- C) For example,
- D) As such,

In contrast to first-past-the-post electoral processes, the proportional representation system by which Bolivia's Chamber of Senators is elected begins with citizens casting their votes not for specific candidates but for political parties. \_\_\_\_\_ once the votes have been tabulated, each party is awarded a number of seats proportional to the number of votes it received.

196

Which choice completes the text with the most logical transition?

- A) In other words,
- B) Conversely,
- C) Then,
- D) However,

Voxel modeling and kitbashing approaches to three-dimensional digital modeling for video games yield graphics that accurately represent the relative sizes and proportions of real-world objects, but since these graphics are rendered from perfect geometric shapes, they tend to lack organic realism. \_\_\_\_\_ these 3D elements may display unnaturally precise angles and curves as compared to their real-world counterparts.

197

Which choice completes the text with the most logical transition?

- A) However,
- B) In addition,
- C) In conclusion,
- D) As such,

Srivijaya, a Buddhist sea power based in Sumatra in Indonesia that reached the height of its influence around 800 CE, is classified as a thalassocracy. Thalassocracies are generally considered distinct from tellurocracies, or land-based powers. \_\_\_\_\_ the British Empire (1600s-1900s CE) notably extended its hegemony across both land and sea.

198

Which choice completes the text with the most logical transition?

- A) Underscoring this difference,
- B) Exemplifying this distinction,
- C) Supporting this claim,
- D) Blurring this line,

In February 1864, James Johnson joined the US Army. He went on to serve in the 18th New York Cavalry during the US Civil War and, \_\_\_\_\_ earned a place in US history as one of the war's few Chinese-born American soldiers

199

Which choice completes the text with the most logical transition?

- A) usually,
- B) for instance,
- C) in any case,
- D) in doing so,

The lack of accessible written sources is a common challenge faced by biographers of pre-nineteenth-century subjects. \_\_\_\_\_ when writing his biography of Alexander Hamilton (1755-1804), historian Ron Chernow had at his disposal Harold Syrett's 26-volume, 19,000-document *Papers of Alexander Hamilton*.

200

Which choice completes the text with the most logical transition?

- A) To take one well-known example,
- B) In accordance with this premise,
- C) It thus came as no surprise that,
- D) On the other end of the spectrum,

At a time when many women writers used male pseudonyms to gain greater freedom of self-expression by evading gender conventions, Katherine Bradley and Edith Cooper adapted the practice by publishing poetry, prose, and drama for four decades under the shared name Michael Field. \_\_\_\_\_ the duo was able to express the joint creative vision that sustained their long personal and professional partnership.

201

Which choice completes the text with the most logical transition?

- A) In this way,
- B) For instance,
- C) Later,
- D) On the other hand,

In a 2005 study by Mellado et al., the researchers' aim was to analyze the diet composition of cattle in Coahuila, Mexico.

\_\_\_\_\_ they aimed to analyze the ratio of three different plant subtypes within these animals' diet: graminoids, forbs, and browse.

202

Which choice completes the text with the most logical transition?

- A) Instead,
- B) All the same,
- C) Therefore,
- D) Specifically,

John Quincy Adams employed the pseudonym "Marcellus"-a reference to a leader of an ancient Roman army-in political essays he wrote in 1793, a choice that accomplished far more than simply concealing his authorship. \_\_\_\_\_ it wasn't an arbitrary pen name but rather a complex rhetorical strategy through which Adams aligned his political views with the venerated republican ideals of the ancient world, thereby bolstering the authority of his writing.

203

Which choice completes the text with the most logical transition?

- A) Conversely,
- B) In addition,
- C) However,
- D) Indeed,

## Answers: Transitions

Number	Answer	Number	Answer
1	C	2	D
3	D	4	B
5	A	6	C
7	A	8	C
9	A	10	A
11	C	12	A
13	A	14	D
15	A	16	B
17	A	18	A
19	D	20	D
21	B	22	B
23	A	24	A
25	B	26	B
27	B	28	C
29	D	30	C
31	C	32	A
33	A	34	A
35	D	36	A
37	C	38	A
39	D	40	C
41	D	42	D

Number	Answer	Number	Answer
43	C	44	D
45	D	46	D
47	D	48	B
49	B	50	D
51	C	52	B
53	C	54	A
55	B	56	B
57	D	58	A
59	C	60	C
61	A	62	D
63	B	64	D
65	A	66	D
67	B	68	B
69	C	70	B
71	C	72	B
73	A	74	A
75	A	76	B
77	A	78	D
79	A	80	A
81	D	82	A
83	B	84	D
85	A	86	C



Number	Answer	Number	Answer
87	D	88	D
89	A	90	A
91	A	92	C
93	D	94	D
95	D	96	B
97	B	98	C
99	D	100	B
101	A	102	D
103	A	104	C
105	C	106	C
107	A	108	D
109	B	110	D
111	A	112	D
113	D	114	B
115	C	116	D
117	B	118	B
119	B	120	C
121	D	122	C
123	C	124	C
125	C	126	C
127	C	128	C
129	C	130	B

Number	Answer	Number	Answer
131	A	132	A
133	A	134	A
135	A	136	A
137	B	138	C
139	C	140	B
141	B	142	B
143	D	144	A
145	D	146	C
147	A	148	B
149	D	150	C
151	A	152	A
153	B	154	C
155	C	156	B
157	C	158	B
159	A	160	A
161	D	162	B
163	D	164	A
165	B	166	B
167	B	168	B
169	B	170	B
171	A	172	C
173	B	174	C

Number	Answer	Number	Answer
175	D	176	D
177	D	178	B
179	B	180	C
181	B	182	B
183	B	184	B
185	C	186	A
187	C	188	A
189	B	190	B
191	B	192	A
193	C	194	B
195	D	196	C
197	D	198	D
199	D	200	D
201	A	202	D
203	D		

## Topic 4: Rhetorical Synthesis

206 Questions

### DIRECTIONS

#### Must Know Tips:

- Don't focus on the notes; instead, work with the question prompt and options.
- Options will not mislead you with the notes.
- If you can't find a logical answer, refer to the notes.
- To find something, you need to know what you're searching for.

**Recommended time per question in this section:** min: 30 sec, max: 1 min , avg: 45sec.  
(\*Exam level)

While researching a topic, a student has taken the following notes:

- *The Music by Black Composers (MBC) project aims to inspire aspiring music students by archiving and sharing information about the music of Black classical composers.*
- *George Theophilus Walker is a Black classical music composer included in MBC's Historic Composers Directory.*
- *He was born in 1922 and died in 2018.*

1

Which choice most effectively uses information from the given sentences to set up a discussion of Walker's career for an audience already familiar with the MBC Project?

- A) While George Theophilus Walker is considered a great composer, there are many more such composers included in MBC's Historic Composers Directory.
- B) Born in 1922, George Theophilus Walker passed away in 2018 according to the MBC project.
- C) Among the many talented figures included in the MBC project is classical music composer George Theophilus Walker.
- D) The MBC project's Historic Composers Directory highlights Black classical composers of the past, such as George Theophilus Walker (1922-2018), in order to inspire music students to become the classical composers of the future.

While researching a topic, a student has taken the following notes:

- *Blackberries are fruits that contain ascorbic acid, an essential nutrient for humans.*
- *Every 100 grams (g) of blackberries contains 21 milligrams (mg) of ascorbic acid.*
- *Many animals can make ascorbic acid in their bodies, but humans cannot.*
- *Humans must get ascorbic acid from foods, including fruits and vegetables.*
- *Ascorbic acid is also known as vitamin C.*

2

The student wants to specify how much vitamin C is in blackberries. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Many animals can make ascorbic acid, which is also known as vitamin C, in their bodies, but humans cannot.
- B) There is 21 mg of vitamin C in every 100 g of blackberries.
- C) Since humans cannot make vitamin C in their bodies, they must get this essential nutrient from foods like blackberries.
- D) Blackberries contain vitamin C, which humans must get from food.

While researching a topic, a student has taken the following notes:

- *Sister cities are pairs of cities that form social or legal partnerships to promote each other's cultures.*
- *Previously known as "town twinning," the concept of sister cities evolved in Europe after WORLD WAR II as a way to repair bonds between cities.*
- *Many cities in New York State maintain such partnerships with cities around the world.*
- *Rhinebeck, New York, and Larreynaga, Nicaragua, became sister cities in 1989.*

3

The student wants to emphasize the duration of Rhinebeck and Larreynaga's sister city relationship. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Since the end of WORLD WAR II, sister cities such as Rhinebeck, New York, and Larreynaga, Nicaragua, have continued to form social partnerships to promote each other's cultures.
- B) As sister cities, Rhinebeck, New York, and Larreynaga, Nicaragua, have engaged in cultural exchange and partnerships since 1989.
- C) Larreynaga, which became a sister city—or "twin town"—to Rhinebeck, New York, is located in Nicaragua.
- D) Despite their distance from each other, the sister cities of Rhinebeck, New York, and Larreynaga, Nicaragua have enjoyed the same partnerships as many other sister cities.

While researching a topic, a student has taken the following notes:

- *In a 2011 study, Loydi tested the effect of plant litter on seedling emergence in a grassland setting.*
- *Plant litter includes dead leaves and other plant material.*
- *The test site was a mesic grassland in Argentina.*
- *It was in a subtropic climate with year-round rain.*
- *The researcher found that in these environmental conditions, the presence of plant litter had a neutral effect on seedling emergence.*

4

Which choice most effectively uses information from the given sentences to specify the test site's climate?

- A) Loydi's study was conducted in a subtropical, climate with year-round rain.
- B) A test was conducted in Argentina to study the effect of plant litter on seedling emergence in a given climate.
- C) Loydi tested the effect of dead leaves and other plant material on seedling emergence in Argentina.
- D) In a study, Loydi found that the presence of plant litter had a neutral effect on seedling emergence.

While researching a topic, a student has taken the following notes:

- *Trans Siberrean Orchestra (OTS) is a band from US that was created in 1996.*
- *The band's sound combines the genres of hard rock and classical music, with an epic assembly of nearly fifty musicians that includes over a dozen singers.*
- *Musicians are regularly invited to perform with OTS on tour.*
- *Keyboardist Paul Morris toured with OTS in 2000.*
- *Electric violinist Alison toured with OTS in 2008.*

5

Which choice most effectively uses information from the given sentences to emphasize the role Paul Morris played when performing with OTS?

- A) In 2000, Paul Morris performed with OTS as a touring keyboardist.
- B) From keyboardist Paul Morris to electric violinist Alison, musicians all over the world have taken the opportunity to perform with OTS.
- C) Musicians Paul Morris and Alison both toured with OTS.
- D) It was in 2000 that keyboardist Paul Morris performed with OTS.



While researching a topic, a student has taken the following notes:

- *Maya Lin is an American artist known for her memorials and works of installation art.*
- *She completed the Women's Table in 1993.*
- *It is a memorial sculpture consisting of thirty-two-ton granite fountain, and it is designed to commemorate female students at Yale University.*
- *She completed Untitled in 1997.*
- *It is an installation artwork composed of wood that fills an entire gallery room.*

6

Which choice most effectively uses information from the given sentences to emphasize the difference between the two works?

- A) Maya is well known for her memorials and installation art, such as the Women's table and Untitled.
- B) Completed in 1997, respectively, the Women's Table and Untitled are both large scale works.
- C) Maya's Women's Table is a memorial sculpture, while Untitled is an installation artwork.
- D) Though Maya's Untitled is not a memorial, its gallery-filling scale may call to mind her imposing Women's Table, which consists of a thirty-ton-granite fountain.

While researching a topic, a student has taken the following notes:

- *Epistolary novels are novels written primarily as a series of fictional documents, typically letters.*
- *Sometimes, the documents are journal entries, newspaper clippings, and more.*
- *Julie, or The New Heloise (1761) is an epistolary novel by French author Jean Jacques Rousseau.*
- *It consists primarily of letters sent between a man and a woman living in a small French town.*
- *Absolutely Normal Chaos (1990) is an epistolary novel by American author Sharon Creech.*
- *It consists primarily of journal entries written by a student during her summer vacation.*

7

The student wants to emphasize a difference between the two novels. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The French author Jean Jacques Rousseau and the American author Sharon Creech have written epistolary novels.
- B) While Julie, or The New Heloise and Absolutely Normal Chaos are both epistolary novels, the former is composed primarily of letters and the latter of journal entries.
- C) Some epistolary novels consist primarily of journal entries, but most, like Jean Jacques Rousseau's Julie, or The New Heloise, consist primarily of letters.
- D) Jean Jacques Rousseau's Julie, or The New Heloise, and Sharon Creech's Absolutely Normal Chaos demonstrate the variety of documents that can be used in epistolary novels.

While researching a topic, a student has taken the following notes:

- *The Mohs scale of mineral hardness is a ten point scale that orders minerals by hardness based on their ability to scratch other minerals.*
- *Minerals with larger numbers are harder than minerals with smaller numbers and can leave visible scratches on them.*
- *Minerals with smaller numbers are softer than minerals with larger numbers and cannot leave visible scratches on them.*
- *The mineral calcite has a Mohs scale number of 3.*
- *The mineral apatite has a Mohs scale number of 5.*
- *The mineral topaz has a Mohs scale number of 8.*

8

The student wants to explain how hard apatite is in relation to other minerals. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In the Mohs scale of mineral hardness, topaz (8) is ranked higher than calcite (3)
- B) Calcite, topaz, and apatite can be ordered by their ability to leave visible scratches on other minerals.
- C) Topaz has a Mohs scale number of 8, which means that it can scratch not only calcite but also apatite.
- D) Apatite has a Mohs scale number of 5, which means that it is harder than calcite (3) but softer than topaz (8).

While researching a topic, a student has taken the following notes:

- *Kale is a vegetable that contains ascorbic acid, an essential nutrient for human.*
- *Blueberries are fruits that contain ascorbic acid.*
- *There is 120 milligrams (mg) of ascorbic acid per every 100 grams (g) of kale.*
- *There is 10 mg of ascorbic acid per every 100 g of blueberries.*
- *Humans cannot make ascorbic acid in their bodies, so they must get it from foods, including fruits and vegetables.*
- *Ascorbic acid is also known as vitamin C.*

9

The student wants to make and support a claim that kale is a better source of vitamin C than blueberries are. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Kale contains ascorbic acid (which humans cannot make in their bodies) and blueberries do too.
- B) Blueberries contain 0.1 mg of vitamin C per g, but kale is a better source of vitamin C: in fact, kale contains 1.2 mg per g.
- C) Kale is a better source of vitamin C, also known as ascorbic acid, than blueberries are.
- D) Humans must get vitamin C from foods like Kale and blueberries because they cannot make it in their bodies

While researching a topic, a student has taken the following notes:

- *A currency is a money system.*
- *Sometimes, countries adopt a new currency to replace an older one.*
- *Mozambique adopted the escudo as its official currency in 1914.*
- *The metical replaced the escudo in 1980.*
- *The metical remains Mozambique's official currency.*

10

The student wants to specify how long Mozambique officially used the escudo. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Countries sometimes adopt new currency systems, as Mozambique did when it replaced the escudo with the metical.
- B) Though Mozambique currently uses the metical, the country's former official currency was introduced in 1914.
- C) The escudo was Mozambique's official currency from 1914 to 1980.
- D) The metical has been Mozambique's official currency since 1980, when it replaced the escudo.

While researching a topic, a student has taken the following notes:

- *The Future of Nostalgia is a scholarly book by literary theorist Svetlana Boym.*
- *The book provides a multifaced exploration of the concept of nostalgia.*
- *Chapter 14 discusses themes of nostalgia in Joseph Brodsky's writing.*
- *Chapter 17 discusses various skeptics' takes on the concept of nostalgia.*
- *In chapter 17, Boym writes, "The poethics of nostalgia combines estrangement and human solidarity, affect and reflection."*

11

The student wants to provide a quotation from chapter 17. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) After discussing themes of nostalgia in Joseph Brodsky's writing, Svetlana Boym goes on to discuss various skeptics' takes on the concept of nostalgia.
- B) Svetlana Boym's *The Future of Nostalgia* is a multifaceted exploration of nostalgia.
- C) In an exploration of various skeptics' takes on the concept of nostalgia, Svetlana Boym writes, "The poethics of nostalgia combines estrangement and human solidarity, affect and reflection."
- D) Svetlana Boym discusses themes of nostalgia in Joseph Brodsky's writing in chapter of her book.

While researching a topic, a student has taken the following notes:

- *The Archipelago-Madreal Mountains are located in northwestern Mexico.*
- *They cover an area of 1,038 square miles ( $\text{mi}^2$ )*
- *The Big Hatchet Mountains are located in the southwestern United States.*
- *They cover an area of 65  $\text{mi}^2$*
- *These mountain ranges are two of the dozens of "sky islands" in the southwestern US and northwestern Mexico.*
- *A sky island is an isolated mountain range whose environment differs dramatically from that of the surrounding lowlands.*

12

The student wants to emphasize the similarity between the two mountain ranges. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) There are dozens of different mountain ranges in located in the southwestern US and northwestern Mexico.
- B) The Archipelago-Madreal Mountains and the Big Hatchet Mountains are both inland mountain ranges whose surroundings are different from those of the surrounding mountains.
- C) The Archipelago-Madreal Mountains cover an area of 1,038  $\text{mi}^2$ , while the Big Hatchet Mountains cover an area of 65  $\text{mi}^2$ .
- D) Even though they are both sky islands, the Archipelago-Madreal Mountains and the Big Hatchet Mountains are located in different countries.

While researching a topic, a student has taken the following notes:

- *Ynés Mexía was a Mexican American botanist.*
- *Between 1917 and 1938, she collected over 150,000 botanical samples throughout the Americas.*
- *She collected a sample of *Trixis antimenorrhoea* in Minas Gerais, Brazil, on June 26, 1930.*
- *She collected a sample of *Stephanomeria thurberi* in Chihuahua, Mexico, on May 27, 1929.*
- *These specimens are members of the Asteraceae family.*
- *They can now be viewed online at the C.V. Starr Virtual Herbarium.*

13

Which choice most effectively uses information from the given sentences to emphasize when she collected both of the samples?

- A) Thousands of botanical samples collected by Ynés Mexía can now be found in one place: online at the C.V. Starr Virtual Herbarium.
- B) While both specimens collected by Ynés Mexía are members of the same family, *Trixis antimenorrhoea* was found in Minas Gerais and *Stephanomeria thurberi* was found in Chihuahua.
- C) June in 1930, Ynés Mexía added a new specimen to her growing collection of botanical samples: *Trixis antimenorrhoea* of the Asteraceae family.
- D) Ynés Mexía collected a sample of *Trixis antimenorrhoea* in June of 1930, after collecting *Stephanomeria thurberi* in May of 1929.



While researching a topic, a student has taken the following notes:

- *Calida Garcia Rawles is an African American painter.*
- *She is known for her large-scale, hyperrealistic paintings depicting African American figures in water.*
- *The painting *Lightness of Being* (24 × 30 in) depicts a young man with his arms outstretched floating on the right side of the canvas.*
- *Lost in the Shuffle (36 × 24 in) depicts two young men with their arms outstretched floating in the bottom left and upper right corners of the canvas.*
- *She paints the water with vivid blue colors, including sky blue and indigo.*
- *The mood in the painting is calm.*

14

Which choice most effectively uses information from the given sentences to emphasize the location of the figures in *Lost in the Shuffle*?

- A) At by inches, Rawles's *Lost in the Shuffle* is even larger than the sizable 24-by 30-inch painting *Lightness of Being*.
- B) Rawles captures the water in paintings such as *Lightness of Being* and *Lost in the Shuffle* in vivid hues of sky blue and indigo.
- C) In Rawles's painting *Lost in the Shuffle*, two young men are depicted in the bottom left and upper right corners of the canvas.
- D) While the number of figures may differ, constant among Rawles's hyperrealistic works is the calm mood that painting evokes.

While researching a topic, a student has taken the following notes:

- *Grimanesa Amoros is a Peruvian American artist.*
- *She is well known for her large-scale LED light sculptures.*
- *Argentum debuted in 2018 at the Bronx Museum of the Arts in New York City, New York.*
- *It is made of iridescent multicolored LED domes.*
- *It occupies 253 cubic feet of space.*

15

Which choice most effectively uses information from the given sentences to emphasize when and where *Argentum* debuted?

- A) As is common of Grimanesa Amoros's sculptures, the iridescent multicolored LED domes of *Argentum* cut an imposing cubic foot figure when the piece debuted
- B) Artist Grimanesa Amoros often works with light in her sculptures, which tend to be large in scale.
- C) In 2018, Grimanesa Amoros debuted *Argentum* in New York City, New York.
- D) Grimanesa Amoros is a Peruvian American artist who often works with LED light in her large-scale sculptures, such as *Argentum* [2018].

While researching a topic, a student has taken the following notes:

- *The United States has designated more than 500 areas National Wildlife Refuges (NWRs).*
- *Some NWRs were established specifically to protect endangered species.*
- *The James River NWR is a 4,147-acre area in Virginia, on the Atlantic coast.*
- *It was established to protect the endangered bald eagle.*
- *The Hopper Mountain NWR is a 2,471-acre area in California, on the Pacific coast.*
- *It was established to protect the endangered California condor.*

16

The student wants to contrast the two NWRs. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) While the James River NWR is in Virginia, on the Atlantic coast, the Hopper Mountain NWR is in California, on the Pacific coast.
- B) The US has designated more than 500 areas NWRs, including the James River NWR in Virginia.
- C) Both the James River NWR and the Hopper Mountain NWR were established to protect endangered species.
- D) Some NWRs were established specifically to protect endangered species such as the California condor.

While researching a topic, a student has taken the following notes:

- *The Botswana Federation of Trade Unions (BFTU) is a national union federation for the African nation of Botswana.*
- *It helps improve conditions for workers in that nation.*
- *ITUC-Africa is a regional union federation that represents national union federations across Africa.*
- *It represents the BFTU.*

17

Which choice most effectively uses information from the given sentences to explain the relationship between ITUC-Africa and the BFTU?

- A) ITUC-Africa is a regional union federation.
- B) The BFTU is one of the national union federations represented by ITUC-Africa.
- C) National union federations, such as the BFTU, work to improve conditions for workers in their member nations.
- D) The BFTU is a national union federation.



While researching a topic, a student has taken the following notes:

- *Silent films can be valuable historical documents of their time.*
- *Ninety percent of silent films made before 1930 are now lost.*
- *A film is considered lost when no remaining copies are known to exist.*
- *Director Oscar Micheaux's 1922 silent film *The Dungeon* is lost.*
- *Director Jay Marchant's 1925 silent film *The Fighting Ranger* is lost.*
- *Archives such as the Pacific Film Archive in Berkeley, California, help preserve some of the remaining films from the 1920s.*

18

Which choice most effectively uses information from the given sentences to emphasize a similarity between the two movies?

- A) The *Dungeon* (1922) was directed by Oscar Micheaux, and *The Fighting Ranger* (1925) was made by Jay Marchant.
- B) Archives such as the Pacific Film Archive in Berkeley, California, play an integral part in preserving some of the surviving silent films from the 1920s.
- C) Jay Marchant's film *The Fighting Ranger* is now considered lost, meaning no copies are known to exist.
- D) The *Dungeon* (1922) and *The Fighting Ranger* (1925) would be valuable historical documents of the era, but sadly both silent films are lost.

While researching a topic, a student has taken the following notes:

- *Antonio Stradivari (1644-1737) made about 1,000 violins in his lifetime.*
- *Musicians prize his Stradivarius violins for their famed sound quality.*
- *Many of the 500 or so that exist today are named for a previous owner.*
- *The Leonora Jackson Stradivarius is named for Leonora Jackson, an American violinist.*

19

Which choice most effectively uses information from the given sentences to emphasize why Stradivarius violins are prized by musicians?

- A) Many Stradivarius violins, like the Leonora Jackson, get their name from a former owner.
- B) Among musicians, violins made by Antonio Stradivari are renowned for their sound quality.
- C) Antonio Stradivari, a famous violin maker, lived from year to 1737.
- D) Leonora Jackson was an American violinist who once owned a Stradivarius violin.

While researching a topic, a student has taken the following notes:

- *Gianpaolo Bellini is an Italian particle physicist.*
- *Particle physicists study subatomic particles.*
- *Neutrinos are some of the least understood subatomic particles.*
- *Neutrinos were first discovered in the mid-twentieth century.*
- *Bellini is known for his research on solar and geoneutrinos.*

20

Which choice most effectively uses information from the given sentences to specify Bellini's role in neutrino research?

- A) Particle physicist Gianpaolo Bellini has worked to advance the scientific understanding of neutrinos through his research on solar and geoneutrinos.
- B) Neutrinos are a type of subatomic particle that particle physicists are still trying to understand.
- C) First discovered in the mid-twentieth century, neutrinos are a type of subatomic particle.
- D) Gianpaolo Bellini is recognized for his particle physics research.

While researching a topic, a student has taken the following notes:

- *Hina Hanta is an online archive curated by the Choctaw Nation of Oklahoma.*
- *It features images of cultural artifacts relevant to the history of the Choctaw people.*
- *It features a spoon (ivpish ishtimpa in Choctaw) made of buffalo horn.*
- *The spoon was made in 1800.*
- *Hina Hanta features a purse (shukcha in Choctaw) made of beaded leather.*
- *The purse was made in 1949.*

21

The student wants to emphasize a similarity between the two artifacts. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The buffalo horn spoon (ivpish ishtimpa in Choctaw) is featured in the Hina Hanta archive.
- B) Featured in the Hina Hanta archive, the buffalo horn spoon and the beaded leather purse are both cultural artifacts relevant to the history of the Choctaw people.
- C) Not all artifacts in the Hina Hanta archive are from the 1800s; indeed, the beaded leather purse is from 1949.
- D) There are more recent artifacts in the Hina Hanta archive than the buffalo horn spoon from 1800.

While researching a topic, a student has taken the following notes:

- *At London and New York Fashion Weeks, fashion designers debut new clothing collections.*
- *Color consultants create trend reports on the popular colors at a given Fashion Week.*
- *A report on 2018 London Fashion Week noted the popularity of an imaginative purple shade that was cool in tone and bright in intensity.*
- *A report on 2019 New York Fashion Week noted the popularity of a deep red shade that was warm in tone and rich in intensity.*

22

Which choice most effectively uses information from the given sentences to explain the role of color consultants at Fashion Week?

- A) A shade of imaginative purple was an on-trend addition to one color consultant's report on London Fashion Week.
- B) A color consultant report on New York Fashion Week highlighted the popularity of a deep red shade.
- C) At Fashion Weeks in 2018 and 2019, shades favored by designers included an imaginative purple and a deep red.
- D) Each Fashion Week, color consultants compile reports on the shades that have proved popular with fashion designers.

While researching a topic, a student has taken the following notes:

- *Generally, an object will heat up when twisted.*
- *The twisting of an object is known as torsion.*
- *A 2019 study led by researchers Zunfeng Liu and Ray Baughman tested the torsional heating of various fibers.*
- *When ethylene propylene diene monomer (EPDM) rubber fiber was twisted, its average surface temperature increased by 12°C.*
- *When four-ply nickel-titanium (NiTi) wire was twisted, its average surface temperature increased by 30.4°C.*

23

Which choice most effectively uses information from the given sentences to explain the concept of torsional heating?

- A) An object's average surface temperature will generally change due to torsion.
- B) Torsional heating is the process by which an object increases in temperature when it is twisted.
- C) Researchers determined that when both fibers were twisted, the surface temperature of four-ply NiTi wire increased more than that of EPDM rubber.
- D) In 2019, researchers studied the effect of torsional heating on various fibers, like EPDM rubber and four-ply NiTi wire.

While researching a topic, a student has taken the following notes:

- *A currency is a money system.*
- *In 1999, Luxembourg adopted the euro as its official currency.*
- *Most other countries in Europe have adopted the euro.*
- *In 1991, Peru adopted the sol as its official currency.*
- *Peru is the only country to have adopted the sol.*

24

The student wants to emphasize the difference between the euro and the sol. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Like most countries in Europe, Luxembourg has adopted the euro as its official currency.
- B) Luxembourg and Peru do not share an official currency.
- C) A currency is a money system, like the euro in Luxembourg and the sol in Peru.
- D) The euro has been adopted by most European countries, whereas the sol has only been adopted by Peru.

While researching a topic, a student has taken the following notes:

- *Yellowstone is a national park in the northwest United States.*
- *In 1995, gray wolves were reintroduced into the park.*
- *Since then, the number of gray wolves in the park has stabilized at roughly 100.*
- *This number is believed to be the park's carrying capacity.*
- *Carrying capacity describes the maximum number of a species that a specific environment's resources can sustain over time.*

25

The student wants to specify the number of gray wolves in Yellowstone. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Gray wolves were reintroduced into Yellowstone, a national park in the northwest United States, in 1995.
- B) As of 1995, there were gray wolves living in Yellowstone, a national park in the northwest United States.
- C) The carrying capacity of an environment, such as Yellowstone, describes the maximum number of species that the environment can sustain over time.
- D) Yellowstone is a national park that has roughly 100 gray wolves living in it

In a 2002 study, Delach and Kimmerer tested the effect of plant litter on seedling emergence in a grassland setting:

- *Plant litter includes dead leaves and other plant material.*
- *The test site was a flooded grassland in the United States.*
- *It was in a temperate midlatitude climate.*
- *The researchers found that in these environmental conditions, the presence of plant litter had a negative effect on seedling emergence.*

26

Which choice most effectively uses information from the given sentences to specify the characteristics of the test site?

- A) The test was conducted in the United States, in a flooded grassland with a temperate midlatitude climate.
- B) A study on the effects of plant litter on seedling emergence was conducted by Delach and Kimmerer in 2002.
- C) In a study, Delach and Kimmerer found that the presence of plant litter had a negative effect on seedling emergence.
- D) The researchers studied seedlings' ability to sprout above ground and begin photosynthesis, given the presence of plant litter and certain environmental conditions.

While researching a topic, a student has taken the following notes:

- *The Haystack Mountain School of Crafts (1961) is a building complex designed by American architect Edward Larrabee Barnes.*
- *It is located in Deer Isle, Maine.*
- *It features a cluster of cedar-shingled buildings.*
- *It is considered an impressive example of critical regionalist architecture.*

27

Which choice most effectively uses information from the given sentences to emphasize the location of the Haystack Mountain School of Crafts?

- A) Those wishing to see the Haystack Mountain School of Crafts in person will have to travel to Deer Isle, Maine.
- B) A stunning example of critical regionalist architecture, Edward Larrabee Barnes's Haystack Mountain School of Crafts features a cluster of cedar-shingled buildings.
- C) The architect responsible for designing the Haystack Mountain School of Crafts in Deer Isle, Maine, was Edward Larrabee Barnes.
- D) Edward Larrabee Barnes is known for designing a building complex that features a cluster of cedar-shingled buildings.



While researching a topic, a student has taken the following notes:

- *A supercontinent is a single landmass made up of most or all of Earth's continents.*
- *Over time, continents merge together to form supercontinents, which then break apart.*
- *This process is believed to take hundreds of millions of years and is known as the supercontinent cycle.*
- *Euramerica and Kenorland were supercontinents.*
- *Euramerica formed about 300 million years ago.*
- *Kenorland formed about 2.6 billion years ago.*

28

The student wants to specify when Euramerica formed. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The supercontinent Euramerica formed about 300 million years ago.
- B) Over hundreds of millions of years, the supercontinent cycle results in supercontinents forming and breaking apart.
- C) Euramerica was a supercontinent, a single landmass made up of most or all of Earth's continents.
- D) Long ago, the Earth was home to supercontinents like Euramerica and Kenorland

While researching a topic, a student has taken the following notes:

- *Maya Lin is an American artist known for her memorials and large-scale installation artworks.*
- *She became famous in 1982 when she completed the Vietnam Veterans Memorial, which consists of two 246-foot granite walls.*
- *She completed Water Line in 2006.*
- *It is an installation composed of aluminum tubing that fills an entire gallery room.*
- *She completed Seven Earth Mountain in 2015.*
- *It is an installation composed of soil that fills an entire gallery room.*

29

Which choice most effectively uses information from the given sentences to emphasize a difference between Water Line and Seven Earth Mountain?

- A) After completing the Vietnam Veterans Memorial, Maya Lin completed Water Line, another large-scale work.
- B) The sprawling size of Maya Lin's Vietnam Veterans Memorial is echoed in Water Line, a work made of aluminum tubing that fills an entire gallery room.
- C) Maya Lin's Water Line is composed of aluminum tubing; Seven Earth Mountain, by contrast, is composed of soil.
- D) Maya Lin is known for her memorials and installation art, such as Water Line and Seven Earth Mountain.



While researching a topic, a student has taken the following notes:

- *Richard Serra is an American artist.*
- *He is known for his large metal sculptures.*
- *His large sculpture Open Ended is made of weathering steel.*
- *His large sculpture Strike: To Roberta and Rudy is made of hot-rolled steel.*

30

Which choice most effectively uses information from the given sentences to emphasize a difference between the two sculptures?

- A) *Open Ended* and *Strike: To Roberta and Rudy* are both large metal sculptures by artist Richard Serra.
- B) *Strike: To Roberta and Rudy* is one of artist Richard Serra's large metal sculptures.
- C) Artist Richard Serra is the creator of the weathering steel sculpture *Open Ended*.
- D) *Open Ended* is made from a different kind of steel than *Strike: To Roberta and Rudy*.

While researching a topic, a student has taken the following notes:

- *A lever is a simple machine consisting of a rigid beam and a fulcrum.*
- *The fulcrum is the point about which the beam pivots.*
- *The input force (effort) is the force applied to the lever.*
- *The output force (load) is the force that the lever exerts on another object.*
- *In first-class levers, the fulcrum is located between the effort and the load.*
- *In second-class levers, the load is located between the effort and the fulcrum.*

31

The student wants to contrast first-class levers and second-class levers. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In levers, the effort is the force applied to the lever; the load, in contrast, is the force that the lever exerts on another object.
- B) In first-class and second-class levers, the fulcrum and the load are in different locations.
- C) First-class levers are simple machines consisting of a rigid beam and a fulcrum, but then again, the same is true of second-class levers.
- D) In first-class levers, the fulcrum is located between the effort and the load, but in second-class levers, the load is located between the effort and the fulcrum.

While researching a topic, a student has taken the following notes:

- *Jean-Michel Basquiat was an American artist who produced more than two thousand drawings and paintings.*
- *Most of his works were completed in New York City in the 1980s.*
- *His work Mater was completed in 1982.*
- *The work is composed of acrylic and oil stick on canvas and measures 72 inches by 84 inches.*
- *Mater was purchased by a private collection for \$5.8 million in a 2009 auction.*

32

Which choice most effectively uses information from the given sentences to emphasize the scope of Basquiat's work?

- A) Mater is just one of more than two thousand drawings and paintings completed by American artist Jean-Michel Basquiat.
- B) Though artist Jean-Michel Basquiat completed most of his two thousand-plus drawings in the 1980s, his work Mater is composed of acrylic and oil stick on canvas.
- C) At an auction, artist Jean-Michel Basquiat's Mater, composed of acrylic and oil stick on canvas, sold for \$5.8 million.
- D) Decades after artist Jean-Michel Basquiat completed his work Mater, a private collection purchased it for \$5.8 million.

While researching a topic, a student has taken the following notes:

- *Calida Garcia Rawles is an African American painter.*
- *She is known for her large-scale, hyperrealistic paintings depicting African American figures in water.*
- *The painting Lightness of Being ( 24 \* 30 in) depicts a young man with his arms outstretched floating on the right side of the canvas.*
- *Lost in the Shuffle (36 \* 24in) depicts two young men with their arms outstretched floating in the bottom left and upper right corners of the canvas.*
- *She paints the water with vivid blue colors, including periwinkle and cobalt.*
- *The mood in the paintings is placid.*

33

Which choice most effectively uses information from the given sentences to emphasize the location of the figures in Lost in the Shuffle?

- A) While the number of figures may differ, constant among Rawles's hyperrealistic works is the placid mood that the paintings evoke.
- B) In Rawles's painting Lost in the Shuffle, two young men are depicted in the bottom left and upper right corners of the canvas.
- C) At by inches, Rawles's Lost in the Shuffle is even larger than the sizable 24-by-30-inch painting Lightness of Being.
- D) Rawles captures the water in paintings such as Lightness of Being and Lost in the Shuffle in vivid hues of periwinkle and cobalt.

While researching a topic, a student has taken the following notes:

- *Documentary TV programs in the slow TV genre consist of uninterrupted broadcasts of ordinary events in real time.*
- *Nordlandsbanen: Minutt for Minutt is a Norwegian slow TV program.*
- *The 10-hour-long program documented a train ride from Trondheim to Bodø.*
- *It first aired in 2012.*
- *In her book Spectacular Television: Exploring Televisual Pleasure, British film scholar Helen Wheatley writes that slow TV "offers 'unspectacular' spectacle."*

34

The student wants to provide a specific example of a slow TV program. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) British film scholar Helen Wheatley writes about the slow TV genre in her book *Spectacular Television: Exploring Televisual Pleasure*.
- B) An example of the slow TV genre can be seen in *Nordlandsbanen: Minutt for Minutt*, a Norwegian show featuring an uninterrupted 10-hour real-time broadcast of a train ride from Trondheim to Bodø.
- C) Slow TV programs provide uninterrupted broadcasts of ordinary events, such as train rides, in real time.
- D) With their uninterrupted broadcasts, slow TV programs offer what film scholar Helen Wheatley calls the "unspectacular" of ordinary events occurring in real time.

While researching a topic, a student has taken the following notes:

- *The poem "5 love haiku" is by African American writer Sonia Sanchez*
- *It was published in her 2010 poetry book entitled Morning Haiku.*
- *The poem is written as a sequence of five haiku.*
- *According to the book's publisher, Penguin Random House (PRH), the book "celebrates the gifts of life and mourns the deaths of revered African American figures."*
- *According to Sanchez, she chose to write in the form of haiku because it helps "maintain memory and dignity."*

35

The student wants to provide an example of a poem from *Morning Haiku*. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Included in Sanchez's poetry book *Morning Haiku* (2010), "love haiku" is a poem written as a sequence of five haiku.
- B) Sanchez chose to write in the form of the haiku because it helps "maintain memory and dignity."
- C) The poetry book *Morning Haiku* "celebrates the gifts of life and mourns the deaths of revered African American figures."
- D) The poem by Sanchez is written as a sequence of five haiku.

While researching a topic, a student has taken the following notes:

- *The Future of Nostalgia* is a scholarly book by literary theorist Svetlana Boym.
- The book explores the concept of nostalgia from various angles.
- Chapter 16 outlines the origins and use of the term nostalgia.
- Chapter 17 discusses various skeptics' takes on the concept of nostalgia.
- In chapter 17, Boym writes, "The poethics of nostalgia combines estrangement and human solidarity, affect and reflection."

36

The student wants to explain what Svetlana Boym writes about in chapter 16. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Literary theorist Svetlana Boym outlines the origins and use of the term nostalgia in chapter 16 of her book.
- B) As Svetlana Boym writes in the seventeenth chapter of her book, "The poethics of nostalgia combines estrangement and human solidarity, affect and reflection."
- C) After outlining the origins and use of the term nostalgia, Svetlana Boym goes on to discuss various skeptics' takes on the concept of nostalgia.
- D) Svetlana Boym's *The Future of Nostalgia* explores the concept of nostalgia from various angles.

While researching a topic, a student has taken the following notes:

- *Dinosaur fossil specimens can be found at science museums all over the world.*
- *A dinosaur fossil specimen nicknamed Jane is housed at the Burpee Museum of Natural History and Culture in Rockford, Minois.*
- *Jane, a Tyrannosaurus, lived in the Late Cretaceous period.*
- *A dinosaur fossil specimen nicknamed Fafnir is housed at the Science Museum of Minnesota in Saint Paul, Minnesota.*
- *Fafnir, a Triceratops, lived in the Late Cretaceous period.*

37

The student wants to emphasize a similarity between the two dinosaur fossil specimens. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Both the Tyrannosaurus fossil specimen Jane and the Triceratops fossil specimen Fafnir lived in the Late Cretaceous period.
- B) While the Tyrannosaurus fossil specimen Jane is in Rockford, Minois, the Triceratops fossil specimen Fafnir is in Saint Paul, Minnesota.
- C) The Burke Museum of Natural History is home to Jane, a Tyrannosaurus fossil specimen from the Late Cretaceous period.
- D) Dinosaur fossil specimens can be found at science museums all over the world, including in Rockford, Minois, and Saint Paul, Minnesota.



While researching a topic, a student has taken the following notes:

- *Richard Serra is an American artist.*
- *He is known for his large metal sculptures.*
- *His sculpture Cycle is roughly 62 feet wide and 56 feet tall.*
- *It is made from weathering steel.*

38

Which choice most effectively uses information from the given sentences to emphasize the size of the sculpture?

- A) Richard Serra is an American artist known for his large metal sculptures.
- B) Cycle—a large metal sculpture by artist Richard Serra—stretches roughly 62 feet wide and 56 feet tall.
- C) American artist Richard Serra creates large sculptures from metals such as weathering steel.
- D) Richard Serra's Cycle is made of weathering steel.

While researching a topic, a student has taken the following notes:

- *In the 1930s, the Imperial Sugar Cane Institute in India sought to limit the country's dependence on imported sugarcane.*
- *The institute enlisted botanist Janaki Ammal to breed a local variety of sugarcane.*
- *She crossbred the imported sugarcane species *Saccharum officinarum* with grasses native to India.*
- *She succeeded in creating sugarcane hybrids well suited to India's climate.*

39

The student wants to emphasize Janaki Ammal's achievement. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) By crossbreeding the imported sugarcane species *Saccharum officinarum* with grasses native to India, Ammal succeeded in creating sugarcane hybrids well suited to India's climate.
- B) In the 1930s, the Imperial Sugar Cane Institute, which enlisted Ammal, sought to limit dependence on imported sugarcane.
- C) Ammal was enlisted by the Imperial Sugar Cane Institute at a time when a local variety of sugarcane needed to be produced.
- D) As part of efforts to breed a local variety of sugarcane, an imported sugarcane species called *Saccharum officinarum* was crossbred with grasses native to India.

While researching a topic, a student has taken the following notes:

- *Documentary TV programs in the slow TV genre consist of uninterrupted broadcasts of ordinary events in real time.*
- *All Aboard! The Sleigh Ride (running time: 2 hour) is a British slow TV program that aired in 2015.*
- *It documented a sleigh ride along an arctic postal route.*
- *Monsen: Minutt for Minutt (running time: 5 hours) is a Norwegian slow TV program that aired in 2020.*
- *It documented a hike from Stigstuv to Rauhellere in Norway.*

40

The student wants to emphasize a similarity between the two TV programs. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) A prime example of the slow TV genre can be seen in All Aboard! The Sleigh Ride, a 2-hour British TV documentary program documenting a sleigh ride along an arctic postal route.
- B) While All Aboard! The Sleigh Ride depicts a sleigh ride along an arctic postal route, Monsen: Minutt for Minutt depicts a hike from Stigstuv to Rauhellere in Norway.
- C) Compared to the 5-hour-long Monsen: Minutt for Minutt, the slow TV program All Aboard! The Sleigh Ride is relatively short, at hours.
- D) Documenting ordinary events in real time, All Aboard! The Sleigh Ride and Monsen: Minutt for Minutt are both documentary programs in the slow TV genre.

While researching a topic, a student has taken the following notes:

- *In astronomy, the mass of stars can be described in units called solar masses.*
- *One solar mass is roughly equal to the mass of the Sun.*
- *The mass of the star Proxima Centauri is 0.122 solar masses.*
- *The mass of the star Sirius A is 2.063 solar masses.*

41

The student wants to emphasize the mass of Sirius A. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The mass of stars, like Proxima Centauri, can be described in units called solar masses.
- B) In astronomy, the mass of stars can be described in units called solar masses, and one solar mass is roughly equal to the mass of the Sun.
- C) The Sun is more massive than Proxima Centauri, which has a mass of 0.122 solar masses.
- D) With a mass of 2.063 solar masses, Sirius A is more massive than the Sun.



While researching a topic, a student has taken the following notes:

- *Dinosaur fossil specimens can be found at science museums all over the world.*
- *A dinosaur fossil specimen nicknamed Jane is housed at the Burpee Museum of Natural History and Culture in Rockford, Minois.*
- *Jane, a Tyrannosaurus, lived in the Late Cretaceous period.*
- *A dinosaur fossil specimen nicknamed Fafnir is housed at the Science Museum of Minnesota in Saint Paul, Minnesota.*
- *Fafnir, a Triceratops, lived in the Late Cretaceous period.*

42

The student wants to emphasize a similarity between the two dinosaur fossil specimens. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Both the Tyrannosaurus fossil specimen Jane and the Triceratops fossil specimen Fafnir lived in the Late Cretaceous period.
- B) While the Tyrannosaurus fossil specimen Jane is in Rockford, Minois, the Triceratops fossil specimen Fafnir is in Saint Paul, Minnesota.
- C) The Burke Museum of Natural History is home to Jane, a Tyrannosaurus fossil specimen from the Late Cretaceous period.
- D) Dinosaur fossil specimens can be found at science museums all over the world, including in Rockford, Minois, and Saint Paul, Minnesota.

While researching a topic, a student has taken the following notes:

- *In astronomy, the mass of stars can be described in units called solar masses.*
- *One solar mass is roughly equal to the mass of the Sun.*
- *The mass of the star Proxima Centauri is 0.122 solar masses.*
- *The mass of the star Sirius A is 2.063 solar masses.*

43

The student wants to emphasize the mass of Sirius A. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The mass of stars, like Proxima Centauri, can be described in units called solar masses.
- B) In astronomy, the mass of stars can be described in units called solar masses, and one solar mass is roughly equal to the mass of the Sun.
- C) The Sun is more massive than Proxima Centauri, which has a mass of 0.122 solar masses.
- D) With a mass of 2.063 solar masses, Sirius A is more massive than the Sun.

While researching a topic, a student has taken the following notes:

- *Ynés Mexía was a Mexican American botanist.*
- *Between 1917 and 1938, she collected over 150,000 botanical samples throughout the Americas.*
- *She collected a sample of *Achyrocline vauthieriana* in Minas Gerais, Brazil, on May 3, 1930.*
- *She collected a sample of *Vernonia liatroides* in Jalisco, Mexico, on February 14, 1927.*
- *These specimens are members of the Asteraceae family.*
- *They can now be viewed online at the C.V. Starr Virtual Herbarium.*

44

Which choice most effectively uses information from the given sentences to emphasize when she collected both of the samples?

- A) Thousands of botanical samples collected by Ynés Mexía can now be found in one place: online at the C.V. Starr Virtual Herbarium.
- B) On May in 1930, Ynés Mexía added a new specimen to her growing collection of botanical samples: *Achyrocline vauthieriana* of the Asteraceae family.
- C) While both specimens collected by Ynés Mexía are members of the same family, *Achyrocline vauthieriana* was found in Minas Gerais and *Vernonia liatroides* was found in Jalisco.
- D) Ynés Mexía collected a sample of *Achyrocline vauthieriana* in May of 1930, after collecting *Vernonia liatroides* in February of 1927.

While researching a topic, a student has taken the following notes:

- *The El Pinito Mountains are a mountain range located in northwestern Mexico.*
- *The range is one of the dozens of "sky islands" in the southwestern US and northwestern Mexico.*
- *A sky island is an isolated mountain range whose environment differs drastically from that of the surrounding lowlands.*
- *The US Forest Service (USFS) said, "The mountains are 'islands' surrounded by deserts that are seas."*
- *The USFS said, "Each Sky Island is a unique ecosystem."*

45

The student wants to explain what a sky island is. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The USFS considers the El Pinito Mountains to be a "unique ecosystem."
- B) The El Pinito Mountains are an isolated mountain range located in northwestern Mexico whose environment differs drastically from that of the surrounding lowlands.
- C) A sky island is an isolated mountain range, such as the El Pinito Mountains in northwestern Mexico, whose environment differs drastically from that of the surrounding lowlands
- D) The El Pinito Mountains, which are considered to be a sky island, are located in northwestern Mexico.

While researching a topic, a student has taken the following notes:

- *In 1965, Yale University historians claimed that a world map called the Vinland Map was drawn in the fifteenth century.*
- *Since that time, the map's age has been the subject of debate.*
- *In 2021, researchers conducted a study to analyze the elemental composition of the map's ink.*
- *Their analysis revealed that the ink contains a titanium compound not used in inks until the 1920s.*
- *The researchers concluded that the map was drawn in the twentieth century.*

46

The student wants to present the study and its findings. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Given the debate about the Vinland Map's age, researchers in 2021 conducted a study to analyze the elemental composition of the map's ink.
- B) A study of the Vinland Map's ink revealed that it contains a titanium compound not used in inks until the 1920s, indicating that the map was drawn in the twentieth century.
- C) The Vinland Map, believed by some to have been drawn in the fifteenth century, was the focus of a study.
- D) Aware that a certain titanium compound was not used in inks until the 1920s, researchers in studied the elemental composition of the Vinland Map's ink.

While researching a topic, a student has taken the following notes:

- *The University of Oslo in Oslo, Norway, is home to a Foucault pendulum.*
- *The pendulum consists of a weighted ball that swings at the end of a roughly 14- meter-long cable.*
- *Like all Foucault pendulums, it dangles from a fixed point that ensures the swing path of the pendulum doesn't change.*
- *To an observer, the swing path of a Foucault pendulum appears to change over time because Earth rotates beneath it.*
- *Foucault pendulums are used as a simple way to provide evidence of Earth's rotation.*

47

The student wants to explain how a Foucault pendulum provides evidence of Earth's rotation. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The Foucault pendulum at the University of Oslo in Oslo, Norway, swings on an unchanging path, but Earth rotates beneath it.
- B) A Foucault pendulum, which consists of a weighted ball at the end of a long cable, provides evidence of Earth's rotation.
- C) Though it swings on an unchanging path, a Foucault pendulum appears to change its swing path over time because Earth rotates beneath it.
- D) In Oslo, Norway, a Foucault pendulum at the University of Oslo provides evidence of Earth's rotation.

While researching a topic, a student has taken the following notes:

- *Birds of Northern South America is an identification guidebook by ornithologists Robin Restall, Clemencia Rodner, and Miguel Lentino.*
- *It lists the thirty-five hummingbird species found in Suriname.*
- *The sooty-capped hermit is a large hummingbird found in Suriname.*
- *It is identifiable by its distinctive facial markings and its long, black, curved bill.*
- *The fiery-tailed awlbill is a small hummingbird found in Suriname.*
- *It is identifiable by its mostly dark green color and its short, black, upturned bill.*

48

Which choice most effectively uses information from the given sentences to emphasize a difference between the two birds?

- A) The sooty-capped hermit and the fiery-tailed awlbill are two of the thirty-five hummingbird species found in Suriname.
- B) Identifiable by its long, black, curved bill and its distinctive facial markings, the sooty-capped hermit is a large hummingbird found in Suriname.
- C) Though they share several traits in common, the sooty-capped hermit is larger than the fiery-tailed awlbill.
- D) The fiery-tailed awlbill is a small hummingbird identifiable by its mostly dark green color and its short, black, upturned bill.

While researching a topic, a student has taken the following notes:

- *Iranian scholar Abu Rayhan al-Biruni studied Earth's physical features.*
- *He theorized that a large landmass existed west of Europe and east of Asia.*
- *Al-Biruni published his landmass theory in 1037 CE.*

49

The student wants to specify when al-Biruni published his landmass theory. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In 1037 CE, al-Biruni published his theory that a large landmass existed west of Europe and east of Asia.
- B) Al-Biruni, who studied Earth's physical features, published a theory about a large landmass.
- C) Al-Biruni was an Iranian scholar who studied Earth's physical features.
- D) An Iranian scholar who studied Earth's physical features, al-Biruni theorized that a large landmass existed west of Europe and east of Asia.

While researching a topic, a student has taken the following notes:

- *The Mohs scale of mineral hardness is a ten-point scale that orders minerals by hardness based on their ability to scratch other minerals.*
- *Minerals with larger numbers are harder than minerals with smaller numbers and can leave visible scratches on them.*
- *Minerals with smaller numbers are softer than minerals with larger numbers and cannot leave visible scratches on them.*
- *The mineral talc has a Mohs scale number of 1.*
- *The mineral fluorite has a Mohs scale number of 4.*
- *The mineral quartz has a Mohs scale number of 7.*

50

The student wants to compare the hardness of talc and quartz. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The Mohs scale of mineral hardness can be used to order fluorite, talc, and quartz by their ability to scratch other minerals.
- B) A mineral with a Mohs number of 4, like fluorite, is harder than one with a Mohs number of 1, like talc.
- C) Quartz can leave visible scratches on fluorite, which is why quartz has a higher number than fluorite on the Mohs scale of mineral hardness.
- D) Quartz can leave visible scratches on talc, which means that quartz is harder than talc.



While researching a topic, a student has taken the following notes:

- *Metztlán is a municipality in the state of Hidalgo, Mexico.*
- *Municipalities are governmental regions responsible for providing many public services to their residents.*
- *One service they provide is water treatment.*
- *Metztlán's population was 20,962 in 2020.*
- *Hidalgo is divided into 84 municipalities.*

51

The student wants to provide an example of a public service that Metztlán is responsible for. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Metztlán, a governmental region in the state of Hidalgo, Mexico, provides public services to its residents.
- B) Metztlán is one of municipalities in Hidalgo providing public services to their communities.
- C) In 2020, the municipality of Metztlán had a population of 20,962.
- D) As a municipality, Metztlán is responsible for providing water treatment to its residents.

While researching a topic, a student has taken the following notes:

- *The human tongue contains taste receptors for a rich, savory flavor called umami.*
- *Umami is triggered by the compounds in a variety of foods, including pork and tomato paste.*
- *Participants in a study tasted a sample of makelp, a type of brown seaweed.*
- *They rated its umami intensity as moderate.*
- *The participants tasted a sample of ma-konbu, another type of brown seaweed.*
- *They rated its umami intensity as high.*

52

The student wants to make a generalization about brown seaweed. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Makelp is a type of brown seaweed, as is ma-konbu.
- B) In a research study, participants tasted samples of makelp and ma-konbu, two types of brown seaweed.
- C) Participants in a study rated the umami intensity of various seaweeds.
- D) Some types of brown seaweed trigger umami flavor in human taste buds.



While researching a topic, a student has taken the following notes:

- *The Paralympic Games are a series of international sporting events involving athletes with an impairment.*
- *A gold medal indicates that an athlete finished in first place.*
- *Rolf Heinzmann competed as a Paralympic alpine skier from 1980 to 2002.*
- *He won fourteen medals, twelve of which were gold.*
- *Daniel Dias competed as a Paralympic swimmer from 2008 to 2020.*
- *He won thirty-eight medals, twenty-five of which were gold.*

53

Which choice most effectively uses information from the given sentences to emphasize the number of gold medals won by Daniel Dias?

- A) In his career as a Paralympic swimmer, Daniel Dias won thirty-eight total medals; twenty-five of them were gold.
- B) Both multiple gold medalists, Rolf Heinzmann and Daniel Dias debuted at the Paralympic Games in 1980 and 2008, respectively.
- C) At the Paralympic Games, a gold medal indicates a first-place finish, and some accomplished athletes like Rolf Heinzmann have won many.
- D) An accomplished Paralympian with thirty-eight total medals, Daniel Dias competed as a swimmer from 2008 to 2020.

While researching a topic, a student has taken the following notes:

- *Maya Lin is a US artist known for her memorials and large-scale installation artworks.*
- *She became famous in 1982 when she completed the Vietnam Veterans Memorial, which consists of two 246-foot granite walls.*
- *She completed Water Line in 2006.*
- *It is an installation composed of aluminum tubing that fills an entire gallery room.*
- *She completed Seven Earth Mountain in 2015.*
- *It is an installation composed of soil that fills an entire gallery room.*

54

Which choice most effectively uses information from the given sentences to emphasize a difference between Water Line and Seven Earth Mountain?

- A) Maya Lin's Water Line is composed of aluminum tubing; Seven Earth Mountain, by contrast, is composed of soil.
- B) Maya Lin is known for her memorials and installation art, such as Water Line and Seven Earth Mountain.
- C) After completing the Vietnam Veterans Memorial, Maya Lin completed Water Line, another large-scale work.
- D) The sprawling size of Maya Lin's Vietnam Veterans Memorial is echoed in Water Line, a work made of aluminum tubing that fills an entire gallery room.

While researching a topic, a student has taken the following notes:

- *Scientists have long sought to determine the origin of glass in Chile's Atacama Desert.*
- *A 2017 study concluded that ancient grass fires had melted the area's sandy soil into glass.*
- *In 2021, a different study revealed that the mineral signatures of glass samples were consistent with the mineral signatures of comet samples collected by NASA.*
- *That study concluded that the glass had formed as a result of a cometary explosion close to the desert's surface.*

55

The student wants to describe how scientific understanding about the glass's origin has evolved. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Mineral signatures of glass samples are consistent with those of comet samples collected by NASA, according to new research.
- B) A 2017 study concluded that ancient grass fires had caused the glass's formation, but new research suggests that the glass formed as a result of a cometary explosion close to the desert's surface.
- C) Scientists have long sought to determine the origin of the glass, with one study concluding that it formed when ancient grass fires melted the area's sandy soil.
- D) Studies in 2017 and 2021 offered different explanations for the origin of glass.

While researching a topic, a student has taken the following notes:

- *The Mohs scale of mineral hardness is a ten-point scale that orders minerals by hardness based on their ability to scratch other minerals.*
- *Minerals with larger numbers are harder than minerals with smaller numbers and can leave visible scratches on them.*
- *Minerals with smaller numbers are softer than minerals with larger numbers and cannot leave visible scratches on them.*
- *The mineral apatite has a Mohs scale number of 5.*
- *The mineral topaz has a Mohs scale number of 8.*
- *The mineral diamond has a Mohs scale number of 10.*

56

The student wants to compare the hardness of apatite and diamond. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) A mineral with a Mohs number of 8, like topaz, is harder than one with a Mohs number of 5, like apatite.
- B) The Mohs scale of mineral hardness can be used to order topaz, apatite, and diamond by their ability to scratch other minerals.
- C) Diamond can leave visible scratches on apatite, which means that diamond is harder than apatite.
- D) Diamond can leave visible scratches on topaz, which is why diamond has a higher number than topaz on the Mohs scale of mineral hardness.

While researching a topic, a student has taken the following notes:

- *A copyright prevents a book's contents from being reproduced (published) without permission from the copyright holder.*
- *When a book's copyright expires, the book enters the public domain.*
- *Public domain books can be legally reproduced by anyone.*
- *The Mother's Recompense is a novel by Edith Wharton.*
- *It was published in 1925 and entered the public domain on January 1, 2021 (ninety-six years later).*

57

Which choice most effectively uses information from the given sentences to explain why *The Mother's Recompense* entered the public domain?

- A) Once *The Mother's Recompense* entered the public domain, anyone could publish its contents.
- B) *The Mother's Recompense*, a novel by Edith Wharton, is freely available to the public.
- C) Before *The Mother's Recompense* entered the public domain, only its copyright holder could give permission for others to reproduce its contents.
- D) The copyright to *The Mother's Recompense* expired in 2021, causing the novel to enter the public domain.

While researching a topic, a student has taken the following notes:

- *Cinematographers work with cameras and lighting.*
- *They help translate film directors' ideas into visual images.*
- *Biutiful (2010) was directed by Alejandro González Iñárritu.*
- *Rodrigo Prieto was the film's cinematographer.*

58

Which choice most effectively uses information from the given sentences to emphasize Prieto's role in helping to make *Biutiful*?

- A) In filmmaking, directors work with others to translate their ideas into the visual images that we encounter on the screen.
- B) Rodrigo Prieto and Alejandro González Iñárritu worked together on a 2010 film.
- C) As the cinematographer, Rodrigo Prieto worked with cameras and lighting to translate Alejandro González Iñárritu's ideas into the visual images found in *Biutiful*.
- D) One example of Rodrigo Prieto's work is Alejandro González Iñárritu's film *Biutiful* (2010).

While researching a topic, a student has taken the following notes:

- *Sister cities are pairs of cities that form social or legal partnerships to promote each other's cultures.*
- *Previously known as "town twinning", the concept of sister cities evolved in Europe after World War II as a way to repair bonds between cities.*
- *Many cities in New York State maintain such partnerships with cities around the world.*
- *Binghamton, New York, and Borovichi, Russia, became sister cities in 1990.*

59

Which choice most effectively uses information from the given sentences to emphasize the duration of Binghamton and Borovichi's sister city relationship?

- A) As sister cities, Binghamton, New York, and Borovichi, Russia, have engaged in cultural exchange and partnership since 1990.
- B) Borovichi, which became a sister city—or "twin town"—to Binghamton, New York, is located in Russia.
- C) Despite their distance from each other, the sister cities of Binghamton, New York, and Borovichi, Russia, have enjoyed the same partnership as many other sister cities.
- D) Since the end of World War II, sister cities such as Binghamton, New York, and Borovichi, Russia, have continued to form social partnerships to promote each other's cultures.

While researching a topic, a student has taken the following notes:

- *In a 2012 study, Dybzinski and Tilman tested the effect of plant litter on seedling emergence in a grassland setting.*
- *Plant litter includes dead leaves and other plant material.*
- *The test site was a flooded grassland in the United States.*
- *It was in a temperate midlatitude climate.*
- *The researchers found that in these environmental conditions, the presence of plant litter had a negative effect on seedling emergence.*

60

Which choice most effectively uses information from the given sentences to specify the test site's climate?

- A) Dybzinski and Tilman tested the effect of dead leaves and other plant material on seedling emergence in the United States.
- B) In a study, Dybzinski and Tilman found that the presence of plant litter had a negative effect on seedling emergence.
- C) Dybzinski and Tilman's study was conducted in a temperate midlatitude climate.
- D) A test was conducted in the United States to study the effect of plant litter on seedling emergence in a given climate.



While researching a topic, a student has taken the following notes:

- *Thailand's annual Songkran Water Festival is held each April.*
- *It marks Songkran, the traditional Thai New Year.*
- *People splash and spray each other for fun at the festival's community-wide water fights.*
- *In Bangkok, thousands gather along Silom Road for the city's largest water fight.*
- *In Chiang Mai, thousands gather at a historical monument called the Tha Phae Gate for the city's largest water fight.*

61

The student wants to emphasize a similarity in how people in Bangkok and Chiang Mai celebrate Songkran. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) People in both Bangkok and Chiang Mai celebrate Songkran, but they don't do so in exactly the same way.
- B) Each April, people in Thailand celebrate Songkran, the traditional Thai New Year.
- C) The largest water fight in Bangkok takes place along a city street, whereas the largest water fight in Chiang Mai takes place at a historical monument.
- D) In both Bangkok and Chiang Mai, thousands gather to celebrate Songkran with water fights.

While researching a topic, a student has taken the following notes:

- *Grimanesa Amoros is a Peruvian American artist.*
- *She is well known for her large-scale LED light sculptures.*
- *Substantial (Phase 4) debuted in 2007 at the Hudson River Community Health Center in Peekskill, New York.*
- *It is made of iridescent multicolored LED domes.*
- *It occupies 2,816 cubic feet of space.*

62

Which choice most effectively uses information from the given sentences to emphasize when and where Substantial (Phase 4) debuted?

- A) Artist Grimanesa Amoros often works with light in her sculptures, which tend to be large in scale.
- B) Grimanesa Amoros is a Peruvian American artist who often works with LED light in her large-scale sculptures, such as Substantial (Phase 4) (2007).
- C) As is common of Grimanesa Amoros's sculptures, the iridescent multicolored LED domes of Substantial (Phase 4) cut an imposing 2,816-cubic-foot figure when the piece debuted.
- D) In 2007, Grimanesa Amoros debuted Substantial (Phase 4) in Peekskill, New York.

While researching a topic, a student has taken the following notes:

- *Marine biology is primarily the study of sea life.*
- *Mary Jane Rathbun was an American marine biologist born in 1860.*
- *She is known for her research on freshwater crabs.*
- *Ornithology is primarily the study of birds.*
- *Emilie Snethlage was a German-Brazilian ornithologist born in 1868.*
- *She is known for her research on Brazilian birds.*

63

Which choice most effectively uses information from the given sentences to emphasize a similarity between Rathbun and Snethlage?

- A) The marine biologist Mary Jane Rathbun was born in 1860, but ornithologist Emilie Snethlage was born later, in 1868.
- B) Marine biology and ornithology are just two examples of the myriad fields in which scientists can specialize.
- C) Mary Jane Rathbun conducted research on freshwater crabs; Emilie Snethlage, by contrast, is known for her research on Brazilian birds.
- D) Like marine biologist Mary Jane Rathbun, ornithologist Emilie Snethlage dedicated her scientific career to the study of living organisms.

While researching a topic, a student has taken the following notes:

- *Dysphania pusilla is a plant species.*
- *It was believed to be extinct until a living specimen was identified in New Zealand in 2015.*
- *Pseudorca crassidens is a mammal species.*
- *It was believed to be extinct until a living specimen was identified in Denmark in 1861.*
- *They are considered Lazarus species.*
- *"Lazarus species" is a term for living species of organisms that were once believed to be extinct.*

64

The student wants to specify where *Dysphania pusilla* was identified. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In 1861, a living specimen of *Pseudorca crassidens* was found in Denmark.
- B) Previously believed to be extinct, a living specimen of *Dysphania pusilla* was identified in New Zealand.
- C) A living specimen of *Dysphania pusilla*, once believed to be extinct, was identified in 2015.
- D) Examples of Lazarus species can be found in *Dysphania pusilla* as well as *Pseudorca crassidens*.



While researching a topic, a student has taken the following notes:

- *In 2022, University of Miami researchers discovered brine pools in the Gulf of Aqaba.*
- *A brine pool is an underwater lake that sits on the ocean floor.*
- *The water in brine pools is three to eight times saltier than the surrounding ocean.*
- *The extreme saltiness of this water makes it toxic to most sea life.*
- *Some forms of bacteria are able to survive in brine pools.*

65

The student wants to explain why brine pools are toxic to most sea life. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The brine pools in the Gulf of Aqaba are toxic to most sea life and were discovered by researchers in 2022.
- B) The water in brine pools is toxic to most sea life because it is three to eight times saltier than the surrounding ocean.
- C) The discovery of brine pools in the Gulf of Aqaba by University of Miami researchers highlighted the diverse types of marine life that can be found in underwater lakes.
- D) Brine pools are salty underwater lakes that sit on the ocean floor.

While researching a topic, a student has taken the following notes:

- *Spinach is a vegetable that contains ascorbic acid, an essential nutrient for humans.*
- *There is 30 milligrams (mg) of ascorbic acid in every 100 grams (g) of spinach.*
- *Cauliflower is a vegetable that contains ascorbic acid.*
- *There is 48 mg of ascorbic acid in every 100 g of cauliflower.*
- *Humans cannot make ascorbic acid in their bodies, so they must get it from foods, including fruits and vegetables.*
- *Ascorbic acid is also known as vitamin C.*

66

The student wants to emphasize a similarity between spinach and cauliflower. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Humans cannot make vitamin C in their bodies, so they must get this essential nutrient from vegetables, such as spinach.
- B) Just like fruits, vegetables are a food that humans can eat to get ascorbic acid, also known as vitamin C.
- C) Cauliflower is a vegetable that contains ascorbic acid; in fact, there is 48 mg of it in every 100 g of cauliflower.
- D) One thing that spinach and cauliflower have in common is that they both contain vitamin C.

While researching a topic, a student has taken the following notes:

- *Understanding the history of science is critical for understanding how knowledge evolves.*
- *Anna Vickers was a French algologist born in 1852.*
- *She is known for her research on algae in the Canary Islands.*
- *Margaret Crosfield was a British geologist born in 1859.*
- *She is known for her research on the hills of Northeast Wales.*

67

Which choice most effectively uses information from the given sentences to emphasize a difference between Vickers and Crosfield?

- A) Though it was conducted long ago, the research performed by algologist Anna Vickers and geologist Margaret Crosfield can help us understand how scientific knowledge evolves.
- B) Algology and geology are just two examples of the myriad fields in which scientists can specialize.
- C) Anna Vickers studied algae in the Canary Islands; Margaret Crosfield, however, studied the hills of Northeast Wales.
- D) Both Anna Vickers and Margaret Crosfield are known for their contributions to science.

While researching a topic, a student has taken the following notes:

- *Crown shyness is a phenomenon in which the tops (crowns) of neighboring trees grow close together but don't overlap.*
- *To explain how this happens, Australian forester M.R. Jacobs proposes the mutual abrasion theory.*
- *According to Jacobs's theory, when trees brush against one another, branches break off.*
- *Malaysian scholar Francis S.P. Ng posits the mutual shade avoidance theory.*
- *According to Ng's theory, when tree branches detect shade from nearby trees' branches, they stop growing.*

68

The student wants to compare the causes of crown shyness proposed in the two theories. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Ng posits the mutual shade avoidance theory, whereas Jacobs proposes an alternative theory.
- B) Both Jacobs and Ng have proposed theories to explain what causes crown shyness.
- C) While Jacobs proposes that crown shyness is caused by neighboring tree branches brushing against one another, Ng posits that it occurs when branches detect shade from nearby trees' branches.
- D) Jacobs's mutual abrasion theory proposes that when neighboring trees brush against one another, branches break off, resulting in a phenomenon in which the tops of trees grow close together but don't overlap.

While researching a topic, a student has taken the following notes:

- *Chromosomes are cellular structures that contain genes.*
- *Genes carry critical instructions for determining an organism's physical traits.*
- *The fennec fox and the red fox are both species of foxes.*
- *As a species, the fennec fox has sixty-four chromosomes.*
- *As a species, the red fox has thirty-four chromosomes.*

69

The student wants to emphasize a difference between the two species of foxes. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Genes, which are in fennec fox chromosomes, carry critical instructions for determining the fox's physical traits.
- B) While both are species of foxes, the fennec fox and the red fox don't have the same number of chromosomes: fennec foxes have sixty-four, whereas red foxes have only thirty-four.
- C) The fennec fox and the red fox both have chromosomes, which contain genes.
- D) The red fox, a species of fox, has thirty-four cellular structures called chromosomes.

While researching a topic, a student has taken the following notes:

- *The poem "7 haiku (for St. Augustine)" is by African American writer Sonia Sanchez.*
- *It was published in her 2010 poetry book entitled Morning Haiku.*
- *The poem is written as a sequence of seven haiku.*
- *According to the book's publisher, Penguin Random House (PRH), the book "celebrates the gifts of life and mourns the deaths of revered African American figures."*
- *According to Sanchez, she chose to write in the form of haiku because it helps "maintain memory and dignity."*

70

The student wants to describe the format of "7 haiku (for St. Augustine)." Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Sanchez chose the form used in the poem "7 haiku (for St. Augustine)" because it helps "maintain memory and dignity."
- B) The poem "7 haiku (for St. Augustine)" was published in the book Morning Haiku, which "celebrates the gifts of life and mourns the deaths of revered African American figures."
- C) The poems in Morning Haiku (2010) are each written as a sequence of haiku.
- D) The poem "haiku (for St. Augustine)" is written as a sequence of seven haiku.

While researching a topic, a student has taken the following notes:

- *The international Slow Food movement was founded in 1989 with the signing of the "Slow Food Manifesto."*
- *The movement promotes universal access to healthy, high-quality food.*
- *It calls for sustainable food production practices that protect local environments, ecosystems, and biodiversity.*
- *It advocates for fair treatment of and compensation for food production workers.*
- *The Slow Food USA organization was founded in 2000.*

71

The student wants to introduce the Slow Food movement to a new audience. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The international Slow Food movement, founded in 1989, promotes universal access to healthy, high-quality food that is produced sustainably by workers who are treated and compensated fairly
- B) The Slow Food movement advocates for food production workers.
- C) The signing of the "Slow Food Manifesto" in marked the founding of the international Slow Food movement, while the Slow Food USA organization was founded in 2000.
- D) Goals of the movement include universal access to healthy, high-quality food and sustainable food practices.

While researching a topic, a student has taken the following notes:

- *The Great Salt Lake is one of the world's saltiest bodies of water.*
- *The lake is located in Utah.*
- *The northern portion of the lake has a higher concentration of salt than the southern portion.*
- *Crustaceans called Artemia franciscana live in the southern portion.*
- *Bacteria called Nodularia live in the southern portion.*

72

The student wants to emphasize a similarity between *Artemia franciscana* and *Nodularia*. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Crustaceans called *Artemia franciscana* and bacteria called *Nodularia* both live in the southern portion of the Great Salt Lake.
- B) Bacteria called *Nodularia* live in the Great Salt Lake, which is located in Utah.
- C) The Great Salt Lake in Utah is one of the saltiest bodies of water in the world.
- D) *Artemia franciscana*, a type of crustacean, lives in the Great Salt Lake.



While researching a topic, a student has taken the following notes:

- *Since 1931, the New York Times (NYT) Best Sellers list has been a measure of the most successful books in the US.*
- *Kwame Alexander and Diana Ross are Black authors who have reached the NYT Best Sellers list.*
- *The Crossover is a children's book by Kwame Alexander.*
- *It reached the NYT Best Sellers list on August 27, 2017.*
- *Secrets of a Sparrow is a memoir by Diana Ross.*
- *It reached the NYT Best Sellers list on November 21, 1993.*

73

Which choice most effectively uses information from the given sentences to emphasize the different years in which the books reached the NYT Best Sellers list?

- A) Kwame Alexander and Diana Ross are both NYT best-selling authors.
- B) The Crossover and Secrets of a Sparrow are both books by Black authors that have reached the NYT Best Sellers list.
- C) Kwame Alexander's *The Crossover* and Diana Ross's *Secrets of a Sparrow* are both NYT best sellers, but the former is a children's book, whereas the latter is a memoir.
- D) The memoir *Secrets of a Sparrow* became an NYT best seller in 1993; *The Crossover*, a children's book, joined this list as well, but in 2017.

While researching a topic, a student has taken the following notes:

- *Hina Hanta is an online archive curated by the Choctaw Nation of Oklahoma.*
- *Hina Hanta means "bright path" in Choctaw.*
- *It features images of cultural artifacts relevant to the history of the Choctaw people.*
- *It includes a shawl (anchi in Choctaw) made from cloth.*
- *It includes a fanner basket (ufko) made from cane.*

74

The student wants to specify the shawl's name in Choctaw. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The cloth shawl, which is included in the Hina Hanta online archive, is called an anchi in Choctaw.
- B) Hina Hanta, which means "bright path" in Choctaw, includes a shawl in its archive.
- C) The Hina Hanta archive features cultural artifacts, such as a shawl and a fanner basket, that are relevant to the history of the Choctaw people.
- D) The name of the online archive Hina Hanta means "bright path" in Choctaw.

While researching a topic, a student has taken the following notes:

- *Asparagus is a vegetable that contains ascorbic acid, an essential nutrient for humans.*
- *Every 100 grams (g) of asparagus contains 6 milligrams (mg) of ascorbic acid.*
- *Many animals can make ascorbic acid in their bodies, but humans cannot.*
- *Humans must get ascorbic acid from foods, including fruits and vegetables.*
- *Ascorbic acid is also known as vitamin C.*

75

The student wants to provide an example of a vegetable that contains vitamin C. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Humans cannot make ascorbic acid in their bodies, but they can get it from foods, such as vegetables, for example.
- B) Many animals can make ascorbic acid, which is also known as vitamin C, in their bodies, but humans cannot.
- C) Vitamin C, also known as ascorbic acid, can be found in asparagus as well as other vegetables.
- D) Since humans cannot make vitamin C in their bodies, they must get it from food.

While researching a topic, a student has taken the following notes:

- *The Future of Nostalgia is a scholarly book by literary theorist Svetlana Boym.*
- *The book explores the concept of nostalgia from various angles.*
- *Chapter 3 explores nostalgia in the 1993 sci-fi action movie Jurassic Park.*
- *Chapter 16 discusses the nostalgic home décor of Russian émigrés.*
- *In chapter 16, Boym writes, "Their rooms filled with diasporic souvenirs are not altars to their unhappiness, but rather places for communication."*

76

The student wants to explain what Svetlana Boym writes about in chapter 3. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) After exploring nostalgia in the sci-fi action movie Jurassic Park, Svetlana Boym goes on to discuss the nostalgic home décor of Russian émigrés.
- B) Literary theorist Svetlana Boym explores nostalgia in the sci-fi action movie Jurassic Park in chapter 3 of her book.
- C) As Svetlana Boym writes in the sixteenth chapter of her book, "Their rooms filled with diasporic souvenirs are not altars to their unhappiness, but rather places for communication."
- D) Svetlana Boym's *The Future of Nostalgia* explores the concept of nostalgia from various angles.



While researching a topic, a student has taken the following notes:

- *Somalia is a country in East Africa.*
- *A high percentage of Somalia's population (46.4 percent) is under fifteen years old.*
- *It has the sixth-largest under-fifteen population in the world.*
- *Roughly 40 percent of Africa's population is under fifteen years old—the highest of any continent.*
- *According to the United Nations (UN), Africa's "high number of young people is an opportunity for the continent's growth—but only if these new generations are fully empowered to realise their best potential."*

77

The student wants to emphasize the global rank of Somalia's youth population. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Africa's high population of young people is due in part to the high percentage of young people in Somalia.
- B) With 46 percent of its population under fifteen years of age, Somalia has the sixth-largest population for that age range in the world.
- C) Making up roughly 40 percent of the continent's total population, Africa's under-fifteen population offers "an opportunity for the continent's growth," according to the UN.
- D) "Only if these new generations are fully empowered to realise their best potential," says the UN, will Africa's high percentage of young people lead to the continent's growth.

While researching a topic, a student has taken the following notes:

- *Mary Kang is a Korean American portrait photographer.*
- *She is based in New York City and in Austin, Texas.*
- *One of Kang's photographs features artist Dominique Fung.*
- *In the portrait, Fung is seated on the floor.*
- *Five of Fung's paintings are resting against the wall behind her.*

78

The student wants to describe where Fung is in the photograph to an audience already familiar with Kang and Fung. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Dominique Fung is in a photograph by Mary Kang, a portrait photographer based in New York City and Austin, Texas.
- B) Mary Kang is a photographer based in both New York City and Austin, Texas
- C) In Kang's portrait of her, Fung is seated on the floor, with five of her paintings resting against the wall behind her.
- D) Five paintings by artist Dominique Fung can be seen in the background of Mary Kang's photograph.

While researching a topic, a student has taken the following notes:

- *In 1897, twenty Black US Army infantrymen rode bicycles from Montana to Missouri.*
- *The 1,900-mile journey took forty-one days.*
- *The goal was to test the idea of forming a military bicycle corps.*
- *In 2022, Erick Cedeño, a Black long-distance cyclist, reenacted the journey.*
- *Cedeño wanted to honor the infantrymen on the journey's 125th anniversary.*

79

The student wants to emphasize how far the infantrymen traveled. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The 125th anniversary of the infantrymen's journey was in 2022.
- B) The US infantrymen rode their bicycles from Montana to Missouri—traveling a total of 1,900 miles.
- C) The goal of the journey was to test the idea of forming a military bicycle corps.
- D) Over a century later, Erick Cedeño honored the infantrymen by reenacting their journey.

While researching a topic, a student has taken the following notes:

- *Vexillology is the study of flags.*
- *The flags of many countries include symbols like animals, plants, or landforms.*
- *These symbols often represent an aspect of the region's history, culture, or landscape.*
- *The flag of Papua New Guinea includes a raggiana bird-of-paradise.*
- *The flag of El Salvador includes a palm branch.*

80

Which choice most effectively uses information from the given sentences to make and support a generalization about symbols on flags?

- A) Papua New Guinea's flag includes a raggiana bird-of-paradise, a symbol that is important to that country's national identity.
- B) The flags of some countries include symbols of animals; Papua New Guinea's, for example, includes a raggiana bird-of-paradise.
- C) Many countries feature symbols on their flags, and the study of these designs is known as vexillology.
- D) Vexillology is the study of flags; accordingly, vexillologists are interested in flags from around the world.

While researching a topic, a student has taken the following notes:

- *Onomatopoeias are words that imitate the sounds they represent.*
- *Onomatopoeias used to represent the same sound often vary from language to language.*
- *This variation is due in part to differences in how languages are structured.*
- *"Ba-dumm" is a German onomatopoeia that represents the sound of a heartbeat.*
- *"Doki doki" is a Japanese onomatopoeia that represents the sound of a heartbeat.*
- *The term "onomatopoeia" combines the Greek words for "name" (onota) and "to make" (poiein).*

81

The student wants to provide a specific example of onomatopoeia. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Differences in how languages are structured can cause variations in the words used in different languages to represent the same sound.
- B) The Japanese word "doki doki" both imitates and represents the sound of a heartbeat.
- C) The languages of German and Japanese use different words to represent the sound of a heartbeat.
- D) The term "onomatopoeia," which refers to words that imitate the sound they represent, combines the Greek words for "name" and "to make."

While researching a topic, a student has taken the following notes:

- *Artist Pablo Picasso of Spain won a Carnegie Prize gold medal in 1930.*
- *The Carnegie Prize is an international art competition.*
- *It is administered by the Carnegie Museum of Art in Pittsburgh, Pennsylvania.*
- *Picasso's winning artwork was a painting entitled Portrait of Mme. Picasso.*

82

The student wants to identify the painting for which Picasso won a Carnegie Prize gold medal. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Picasso won a Carnegie Prize gold medal for the painting Portrait of Mme. Picasso.
- B) The Carnegie Museum of Art awarded Picasso a gold medal in 1930.
- C) The Carnegie Prize is an international art competition administered by the Carnegie Museum of Art in Pittsburgh, Pennsylvania.
- D) In 1930, an artist from Spain won a Carnegie Prize gold medal for a painting.

While researching a topic, a student has taken the following notes:

- *Richard Serra is an American artist.*
- *He is known for his large metal sculptures.*
- *His sculpture Gutter Corner Splash: Night Shift is roughly 2 feet wide and 9 feet tall.*
- *It is made from lead.*

83

Which choice most effectively uses information from the given sentences to emphasize the size of the sculpture?

- A) Richard Serra is an American artist known for his large metal sculptures.
- B) Richard Serra's Gutter Corner Splash: Night Shift is made of lead.
- C) Gutter Corner Splash: Night Shift—a large metal sculpture by artist Richard Serra—stretches roughly 2 feet wide and 9 feet tall.
- D) American artist Richard Serra creates large sculptures from metals such as lead.

While researching a topic, a student has taken the following notes:

- *The Zim Smith Mid-County Trail is located in New York.*
- *It is one of more than 2,000 disused railroad corridors in the US that have been converted into public trails since the 1960s.*
- *Such trails are known as rail trails.*
- *The Union Pacific Railroad Trail in Nevada is parallel to an active railway, the Union Pacific Railroad.*
- *It is one of approximately 400 trails in the US that share a right-of-way with an active rail line.*
- *Such trails are known as rails-with-trails.*

84

The student wants to make a generalization about rails-with-trails. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In the US, trails have been constructed from disused railroad corridors as well as on property parallel to active rail lines.
- B) In the US, trails that share a right-of-way with an active rail line are less common than some other types of railway trails.
- C) The Union Pacific Railroad Trail in Nevada is one of approximately US trails that share a right-of-way with an active rail line
- D) Since the 1960s, thousands of public trails in the US have been created from disused railroad corridors.

While researching a topic, a student has taken the following notes:

- *Author H.P. Lovecraft wrote a number of horror stories.*
- *Designer Richard Launius created a board game based on these stories.*
- *The game is called Arkham Horror.*
- *It was released in 2005.*

85

The student wants to indicate when the board game was released. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The board game Arkham Horror was designed by Richard Launius.
- B) The board game Arkham Horror was released in 2005.
- C) The board game Arkham Horror is based on horror stories.
- D) The board game Arkham Horror is based on the writing of H.P. Lovecraft.

While researching a topic, a student has taken the following notes:

- *Sue is the nickname of a dinosaur fossil specimen housed at the Field Museum of Natural History.*
- *The Field Museum of Natural History is located in Chicago, Illinois.*
- *Sue is a member of the genus Tyrannosaurus.*
- *Thomas is the nickname of a dinosaur fossil specimen housed at the Natural History Museum of Los Angeles County.*
- *The Natural History Museum of Los Angeles County is located in Los Angeles, California.*
- *Thomas is a member of the genus Tyrannosaurus.*

86

The student wants to emphasize a similarity between the two specimens. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The dinosaur fossil specimens Sue and Thomas are both members of the genus Tyrannosaurus.
- B) While Sue is housed at the Field Museum of Natural History, Thomas is housed at the Natural History Museum of Los Angeles County.
- C) The Field Museum of Natural History, where Sue is housed, is located in Chicago, Illinois.
- D) Thomas is the nickname of a Tyrannosaurus fossil specimen housed at the Natural History Museum of Los Angeles County in Los Angeles, California.



While researching a topic, a student has taken the following notes:

- *The black-footed ferret is a mammal species.*
- *Up until 1981, it was believed to be extinct.*
- *That year, a live black-footed ferret was identified in the wild in the United States.*
- *The black-footed ferret is considered a Lazarus species.*
- *"Lazarus species" is a term for living species of organisms that were once believed to be extinct.*

87

The student wants to define the term "Lazarus species" and provide an example of one. Which choice most effectively uses relevant information from the notes to accomplish these goals?

- A) The term "Lazarus species" describes a living species of organism, such as the black-footed ferret, that was once believed to be extinct.
- B) Sometimes, a species once believed to be extinct is later found living in the wild.
- C) The black-footed ferret, a species of mammal, was identified in the wild in 1981.
- D) One example of a Lazarus species is the black-footed ferret, a mammal species that was identified in the wild in the United States in 1981.

While researching a topic, a student has taken the following notes:

- *The French Republican calendar was used in France from 1793 to 1805.*
- *Each calendar week had ten days, two of which were called quintidi and decadi.*
- *Each quintidi was given a unique name in honor of an animal.*
- *Each decadi was given a unique name in honor of an agricultural tool.*
- *Bélier, a quintidi in the month of Thermidor, was named after the ram.*
- *Crible, a decadi in the month of Nivôse, was named after the sieve.*

88

The student wants to emphasize a difference between quintidi and decadi. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) One quintidi during the month of Thermidor was named after an animal, the ram.
- B) Each quintidi in the calendar honored an animal, such as the ram, whereas each decadi honored an agricultural tool, such as the sieve.
- C) There were ten days in each week of the French Republican calendar, and two of these days were called quintidi and decadi.
- D) Each decadi was named after an agricultural tool; for example, a decadi during the month of Nivôse was named after the sieve.



While researching a topic, a student has taken the following notes:

- *A merchant ship is any ship hired to carry cargo or passengers.*
- *A ship's carrying capacity is also known as its deadweight tonnage (DWT).*
- *In 2021, there were a total of 392 merchant ships registered in Saudi Arabia.*
- *The combined DWT of these ships was 13.7 million tons.*

89

The student wants to specify the number of merchant ships in Saudi Arabia in 2021. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In total, Saudi Arabia's merchant ships had a carrying capacity, or deadweight tonnage, of 13.7 million tons in 2021.
- B) Combined, Saudi Arabia's merchant ships had a deadweight tonnage of 13.7 million tons in 2021.
- C) The carrying capacity of a merchant ship is also known as deadweight tonnage.
- D) There were a total of 392 merchant ships—ships hired to carry cargo or passengers—registered in Saudi Arabia in 2021.

While researching a topic, a student has taken the following notes:

- *Vexillology is the study of flags.*
- *The flags of many countries include symbols like animals, plants, or landforms.*
- *These symbols often represent an aspect of the region's history, culture, or landscape.*
- *The flag of Kazakhstan includes an eagle.*
- *The flag of Slovenia includes Triglav mountain.*

90

Which choice most effectively uses information from the given sentences to make and support a generalization about symbols on flags?

- A) Many countries feature symbols on their flags, and the study of these designs is known as vexillology.
- B) Kazakhstan's flag includes an eagle, a symbol that is important to that country's national identity.
- C) Vexillology is the study of flags; accordingly, vexillologists are interested in flags from around the world.
- D) The flags of some countries include symbols of animals; Kazakhstan's, for example, includes an eagle.

While researching a topic, a student has taken the following notes:

- *Artist Jean Arp of Germany won a Carnegie Prize gold medal in 1964.*
- *The Carnegie Prize is an international art competition.*
- *It is administered by the Carnegie Museum of Art in Pittsburgh, Pennsylvania.*
- *Arp's winning artwork was a sculpture entitled Sculpture Classique.*

91

The student wants to identify the sculpture for which Arp won a Carnegie Prize gold medal. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In 1964, an artist from Germany won a Carnegie Prize gold medal for a sculpture.
- B) The Carnegie Museum of Art awarded Arp a gold medal in 1964.
- C) Arp won a Carnegie Prize gold medal for the sculpture Sculpture Classique.
- D) The Carnegie Prize is an international art competition administered by the Carnegie Museum of Art in Pittsburgh, Pennsylvania.

While researching a topic, a student has taken the following notes:

- *Ynés Mexía was a Mexican American botanist.*
- *Between 1917 and 1938, she collected over 150,000 botanical samples throughout the Americas.*
- *She collected a sample of Wulffia maculata in Minas Gerais, Brazil, on January 25, 1930.*
- *She collected a sample of Senecio chapalensis in Jalisco, Mexico, on January 17, 1927.*
- *These specimens are part of the Asteraceae family.*
- *They can now be viewed online at the C.V. Starr Virtual Herbarium*

92

Which choice most effectively uses information from the given sentences to begin a narration of Mexía's collection of Wulffia maculata?

- A) It was on January 25, 1930, in the state of Minas Gerais, that Ynés Mexía added a new specimen to her growing collection of botanical samples: Wulffia maculata of the Asteraceae family.
- B) Ynés Mexía collected a sample of Wulffia maculata in January of 1930 and Senecio chapalensis in January of 1927.
- C) While both specimens collected by Ynés Mexía are members of the Asteraceae family, Wulffia maculata was collected in Minas Gerais, Brazil, and Senecio chapalensis was collected in Jalisco, Mexico.
- D) Thousands of botanical samples collected from across the Americas by Ynés Mexía can now be found in one place: online at the C.V. Starr Virtual Herbarium.

While researching a topic, a student has taken the following notes:

- *The Mohs scale of mineral hardness is a ten-point scale that orders minerals by hardness based on their ability to scratch other minerals.*
- *Minerals with larger numbers are harder than minerals with smaller numbers and can leave visible scratches on them.*
- *Minerals with smaller numbers are softer than minerals with larger numbers and cannot leave visible scratches on them.*
- *The mineral fluorite has a Mohs scale number of 4.*
- *The mineral quartz has a Mohs scale number of 7.*
- *The mineral diamond has a Mohs scale number of 10.*

93

The student wants to compare the hardness of the three minerals. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Based on their Mohs scale numbers, diamond (10) is harder than quartz (7), and quartz is harder than fluorite (4).
- B) A mineral with a Mohs number of 10, like diamond, is harder than one with a Mohs number of 7, like quartz.
- C) The Mohs scale of mineral hardness can be used to order quartz, fluorite, and diamond by their ability to scratch other minerals.
- D) Diamond can leave visible scratches on fluorite, which is why diamond has a higher number than fluorite on the Mohs scale of mineral hardness.

While researching a topic, a student has taken the following notes:

- *The French Republican calendar replaced the Gregorian calendar in France from 1793 to 1805.*
- *Both calendars are divided into twelve months.*
- *The timelines for the months don't match.*
- *The sixth month of the French Republican calendar, Ventôse, begins during February, the second month of the Gregorian calendar.*
- *The eighth month of the French Republican calendar, Floréal, begins during April, the fourth month of the Gregorian calendar.*

94

The student wants to emphasize a difference between the French Republican and Gregorian calendars. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Used in France from 1793 to 1805, the French Republican calendar includes the months of Ventôse and Floréal (the sixth and eighth months of the year).
- B) The second and fourth months of the Gregorian calendar are February and April, respectively.
- C) The timelines for the months of the two calendars don't match; for example, the sixth month of the French Republican calendar begins during the second month of the Gregorian calendar.
- D) The French Republican calendar, which replaced the Gregorian calendar in France from 1793 to 1805, has twelve months, including the months of Ventôse and Floréal.

While researching a topic, a student has taken the following notes:

- *Birds of Northern South America is an identification guidebook by ornithologists Robin Restall, Clemencia Rodner, and Miguel Lentino.*
- *It lists the thirty-five hummingbird species found in Suriname.*
- *The great-billed hermit is a large hummingbird found in Suriname.*
- *It is identifiable by its bronzy back and its very long, black, curved bill.*
- *The amethyst woodstar is a small hummingbird found in Suriname.*
- *It is identifiable by its green back and its short, black, straight bill.*

95

Which choice most effectively uses information from the given sentences to emphasize a difference between the two birds?

- A) Identifiable by its very long, black, curved bill and its bronzy back, the great-billed hermit is a large hummingbird found in Suriname.
- B) One way to distinguish the great-billed hermit from the amethyst woodstar is to look at their bills: the great-billed hermit's is curved, whereas the amethyst woodstar's is straight.
- C) The great-billed hermit and the amethyst woodstar are two of the thirty-five different hummingbird species found in Suriname.
- D) The amethyst woodstar is a small hummingbird identifiable by its green back and its short, black, straight bill.

While researching a topic, a student has taken the following notes:

- *The green iguana is a species of reptile.*
- *It can be found in Central America and Brazil.*
- *The green iguana primarily eats leaves and fruit.*
- *It has an average length of 4.8 feet.*

96

The student wants to specify the average length of the green iguana. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The green iguana is a reptile that primarily eats leaves and fruit.
- B) One species of reptile found in Brazil primarily eats leaves and fruit.
- C) The green iguana can be found in Central America.
- D) The green iguana has an average length of 4.8 feet.

While researching a topic, a student has taken the following notes:

- *"Raymond's Run" is a short story.*
- *It was written by African American author Toni Cade Bambara.*
- *It was first published in her book *Gorilla, My Love* in 1972.*
- *It is told from a first person perspective.*
- *It takes place in Harlem.*

97

The student wants to indicate where the short story takes place. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) "Raymond's Run" takes place in Harlem.
- B) "Raymond's Run" was written by Toni Cade Bambara.
- C) "Raymond's Run" was published in *Gorilla My Love*.
- D) "Raymond's Run" is told from a first person perspective.

While researching a topic, a student has taken the following notes:

- *Onomatopoeias are words that imitate the sounds they represent.*
- *Words that represent the same sound are often written and pronounced very differently from language to language.*
- *This variation is due in part to differences in how the languages are structured.*
- *'Korrrr' is a Batak onomatopoeia that represents the sound of snoring.*
- *'Hū lū' is a Mandarin Chinese onomatopoeia that represents the sound of snoring.*

98

The student wants to contrast two words that represent the same sound. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Though they both represent the sound of snoring, the onomatopoeias 'korrrr' (Batak) and 'hū lū' (Mandarin Chinese) are written and pronounced very differently.
- B) Onomatopoeias, words that imitate the sounds they represent, are often written and pronounced very differently from language to language.
- C) The Batak word 'korrrr' and the Mandarin Chinese word 'hū lū' are onomatopoeias that represent the sound of snoring.
- D) The Batak word 'korrrr,' which represents the sound of snoring, is an onomatopoeia.



While researching a topic, a student has taken the following notes:

- *Jean-Michel Basquiat was an American artist who produced more than two thousand drawings and paintings.*
- *His work Untitled (Two Heads on Gold) was completed in 1982 and sold at auction in 2003.*
- *Untitled (Two Heads on Gold) is composed of acrylic and oil stick on canvas and measures 10,000 square inches in area.*
- *His work Jazz was completed in 1986 and sold at auction in 2020.*
- *Jazz is composed of acrylic, oil, graphite, crayon, and paper collage on wood and measures 1,807 square inches in area.*

99

Which choice most effectively uses information from the given sentences to emphasize how these two works are similar?

- A) Artist Jean-Michel Basquiat completed *Untitled (Two Heads on Gold)* in 1982, and *Jazz* followed in 1986.
- B) Between artist Jean-Michel Basquiat's works *Untitled (Two Heads on Gold)* and *Jazz*, the former is the larger of the two.
- C) Composed by artist Jean-Michel Basquiat in 1982 and 1986, respectively, both *Untitled (Two Heads on Gold)* and *Jazz* use acrylic paint as a medium.
- D) Artist Jean-Michel Basquiat's work *Untitled (Two Heads on Gold)* is composed of acrylic and oil stick, while *Jazz* is composed of acrylic, oil, graphite, crayon, and paper collage.

While researching a topic, a student has taken the following notes:

- *The Future of Nostalgia is a scholarly book by literary theorist Svetlana Boym.*
- *The book provides a multifaceted exploration of the concept of nostalgia.*
- *Chapter 9 describes nostalgia in the city of St. Petersburg in Russia.*
- *Chapter 17 discusses various skeptics' takes on the concept of nostalgia.*
- *In chapter 17, Boym writes, "The poetics of nostalgia combines estrangement and human solidarity, affect and reflection."*

100

The student wants to provide a quotation from chapter 17. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In a discussion of various skeptics' takes on the concept of nostalgia, Svetlana Boym writes, "The poetics of nostalgia combines estrangement and human solidarity, affect and reflection."
- B) Svetlana Boym's *The Future of Nostalgia* provides a multifaceted exploration of nostalgia.
- C) Svetlana Boym describes nostalgia in the city of St. Petersburg in Russia in chapter 9 of her book.
- D) After describing nostalgia in the city of St. Petersburg in Russia, Svetlana Boym goes on to discuss various skeptics' takes on the concept of nostalgia.



While researching a topic, a student has taken the following notes:

- *Atitalaquia is a municipality in the state of Hidalgo, Mexico.*
- *Municipalities are governmental regions responsible for providing many public services to their residents.*
- *One service they provide is street lighting.*
- *Atitalaquia covers an area of roughly 63 km<sup>2</sup>.*
- *Hidalgo is divided into 84 municipalities.*

101

The student wants to emphasize the size of Atitalaquia. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Providing street lighting is just one example of the public services that municipalities provide.
- B) Atitalaquia is one of governmental regions, known as municipalities, across Hidalgo.
- C) Atitalaquia—a governmental region in the state of Hidalgo, Mexico—provides many public services to its residents.
- D) The municipality of Atitalaquia in Hidalgo, Mexico, covers an area of roughly 63 km<sup>2</sup>

While researching a topic, a student has taken the following notes:

- *At London and New York Fashion Weeks, fashion designers debut new clothing collections.*
- *Color consultants create trend reports on the popular colors at a given Fashion Week.*
- *A report on 2018 London Fashion Week noted the popularity of a light green-yellow shade that was cool in tone and soft in intensity.*
- *A report on 2019 New York Fashion Week noted the popularity of a deep brown shade that was warm in tone and rich in intensity.*

102

Which choice most effectively uses information from the given sentences to describe a color that was popular at 2019 New York Fashion Week?

- A) Shades of light green-yellow and deep brown have both been featured in Fashion Week reports prepared by color consultants.
- B) The shade favored by designers at New York Fashion Week was a departure from the cool, soft shade of light green-yellow that had proved popular at London Fashion Week.
- C) Each Fashion Week, color consultants compile reports on the colors that have been popular among designers.
- D) At New York Fashion Week, many designer collections featured a warm, rich shade of deep brown.

While researching a topic, a student has taken the following notes:

- *Chromosomes are cellular structures that contain genes.*
- *Genes carry critical instructions for determining an organism's physical traits.*
- *Members of the same species typically have the same number of chromosomes.*
- *The bat-eared fox (*Otocyon megalotis*) and the Bengal fox (*Vulpes bengalensis*) are species of foxes.*
- *The bat-eared fox has seventy-two chromosomes.*
- *The Bengal fox has sixty chromosomes.*

103

The student wants to specify how many chromosomes the bat-eared fox has. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The bat-eared fox (*Otocyon megalotis*) and the Bengal fox (*Vulpes bengalensis*) both have chromosomes, but the bat-eared fox has more than the Bengal fox does.
- B) The Bengal fox, a species of fox, has sixty structures called chromosomes.
- C) The bat-eared fox's chromosomes contain genes, which are critical to determining an organism's physical traits.
- D) The bat-eared fox (*Otocyon megalotis*) has seventy-two chromosomes.

While researching a topic, a student has taken the following notes:

- *The Museu de les Ciències Príncipe Felipe is in Valencia, Spain.*
- *It is home to a Foucault pendulum.*
- *Vasile Alecsandri National College is in Galați, Romania.*
- *It is home to a Foucault pendulum.*
- *A Foucault pendulum dangles from a fixed point that ensures the swing path of the pendulum doesn't change.*
- *To an observer, the swing path of a Foucault pendulum appears to change over time because Earth rotates beneath it.*

104

The student wants to emphasize a similarity between the two locations. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Because Earth rotates beneath it, the swing path of the Foucault pendulum at the Museu de les Ciències Príncipe Felipe appears to change over time.
- B) The Museu de les Ciències Príncipe Felipe, which is home to a Foucault pendulum, is in Spain, not Romania.
- C) The Museu de les Ciències Príncipe Felipe in Valencia, Spain, and Vasile Alecsandri National College in Galați, Romania, both house Foucault pendulums.
- D) One Foucault pendulum is in Spain, and the other is in Romania.

While researching a topic, a student has taken the following notes:

- *Soo-Bong Kim is a South Korean particle physicist.*
- *Particle physicists study subatomic particles.*
- *Neutrinos are some of the least understood subatomic particles.*
- *Kim is known for his research on neutrino oscillations.*

105

Which choice most effectively uses information from the given sentences to specify what type of neutrino research Kim is known for?

- A) Neutrinos are a type of subatomic particle that particle physicists are still trying to understand.
- B) Soo-Bong Kim, whose research involves particle physics, is from South Korea.
- C) In the ongoing pursuit to better understand these subatomic particles, particle physicist Soo-Bong Kim is known for his research on neutrino oscillations.
- D) One scientist who has worked to advance our understanding of neutrinos is the South Korean particle physicist Soo-Bong Kim.

While researching a topic, a student has taken the following notes:

- *Minor planets are astronomical objects that orbit the Sun but are neither planets nor comets.*
- *Astronomer Jane Luu has discovered many minor planets in her career.*
- *Alongside colleague David C. Jewitt, she discovered the minor planet (15836) 1995 DA2 on February 24, 1995.*
- *Alongside colleagues David C. Jewitt, Chadwick Trujillo, and K. Berney, she discovered the minor planet (24952) 1997 QH4 on August 28, 1997.*

106

Which choice most effectively uses information from the given sentences to emphasize the discovery of (15836) 1995 DA2 to an audience already familiar with Jane Luu?

- A) First there was the discovery of (15836) DA2 on February 24, 1995, and then on August 28, 1997, Jane Luu discovered yet another minor planet with the help of her colleagues David C. Jewitt, Chadwick Trujillo, and K. Berney.
- B) Astronomer Jane Luu helped discover not only the minor planet (15836) DA2 on February 24, 1995, but also (24952) QH4 on August 28, 1997.
- C) Jane Luu is an astronomer famous for her discovery of many minor planets in our solar system, including (15836) DA2.
- D) On February 24, 1995, Jane Luu and her colleague David C. Jewitt made the exciting discovery of the minor planet (15836) DA2.

While researching a topic, a student has taken the following notes:

- *Vexillology is the study of flags.*
- *The flags of many countries include symbols like animals, plants, or landforms.*
- *These symbols often represent an aspect of the region's history, culture, or landscape.*
- *The flag of San Marino includes a laurel branch.*
- *The flag of Croatia includes leopards.*

107

Which choice most effectively uses information from the given sentences to make and support a generalization about symbols on flags?

- A) The flags of some countries include symbols of plants; San Marino's, for example, includes a laurel branch.
- B) San Marino's flag includes a laurel branch, a symbol that is important to that country's national identity.
- C) Vexillology is the study of flags; accordingly, vexillologists are interested in flags from around the world.
- D) Many countries feature symbols on their flags, and the study of these designs is known as vexillology.

While researching a topic, a student has taken the following notes:

- *There are more than 500 National Wildlife Refuges (NWRs) across the United States.*
- *The Mason Neck NWR is a 2,276-acre area in Virginia, on the Atlantic coast.*
- *It was established to protect the endangered bald eagle.*
- *The Nestucca Bay NWR is a 457-acre area in Oregon, on the Pacific coast.*
- *It was established to protect the endangered Aleutian Canada goose.*

108

The student wants to provide an overview of the NWR program. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Both the Mason Neck NWR and the Nestucca Bay NWR were established to protect endangered species.
- B) Oregon's Nestucca Bay NWR was established to protect the endangered Aleutian Canada goose.
- C) One of more than 500 NWRs in the US, the Mason Neck NWR encompasses 2,276 acres in Virginia.
- D) The US's more than 500 NWRs protect endangered species from coast to coast.

While researching a topic, a student has taken the following notes:

- *Tlaxcoapan is a municipality in the state of Hidalgo, Mexico.*
- *Municipalities are governmental regions responsible for providing many public services to their residents.*
- *One service they provide is street lighting.*
- *Tlaxcoapan covers an area of roughly 42 km<sup>2</sup>.*
- *Hidalgo is divided into 84 municipalities.*

109

The student wants to emphasize the size of Tlaxcoapan. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Providing street lighting is just one example of the public services that municipalities provide.
- B) The municipality of Tlaxcoapan in Hidalgo, Mexico, covers an area of roughly 42 km<sup>2</sup>.
- C) Tlaxcoapan is one of governmental regions, known as municipalities, across Hidalgo.
- D) Tlaxcoapan—a governmental region in the state of Hidalgo, Mexico—provides many public services to its residents.

While researching a topic, a student has taken the following notes:

- *Fafnir is the nickname of a dinosaur fossil specimen from the Late Cretaceous period.*
- *The Late Cretaceous period ended more than 65 million years ago.*
- *Fafnir is a member of the genus Triceratops.*
- *Fafnir is on display at the Science Museum of Minnesota.*
- *The Science Museum of Minnesota is in Saint Paul, Minnesota.*

110

The student wants to specify Fafnir's location. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Saint Paul, Minnesota, is home to the Science Museum of Minnesota, which displays a dinosaur fossil specimen from the Late Cretaceous period.
- B) Fafnir is the nickname of a dinosaur fossil specimen belonging to the genus Triceratops.
- C) Fafnir is on display at the Science Museum of Minnesota in Saint Paul, Minnesota.
- D) Fafnir lived in the Late Cretaceous period, which ended more than million years ago.



While researching a topic, a student has taken the following notes:

- *Thomas Edison is regarded as one of the most important inventors in US history.*
- *Having received little formal schooling, Edison relied on specialist employees at his various laboratories and offices to complete the technical work for many of his inventions.*
- *Reginald Fessenden was an electronic communications specialist who worked at the Edison Machine Works manufacturing company.*
- *He is best known for pioneering radio technology that led to the first transmission of speech by radio.*
- *Frank J. Sprague was a naval officer who worked at the Menlo Park laboratory.*
- *He is best known for being the father of electric traction*

111

Which choice most effectively uses information from the given sentences to introduce Reginald Fessenden and what he is known for?

- A) Reginald Fessenden, an electronic communications specialist, worked at the Edison Machine Works manufacturing company.
- B) Reginald Fessenden, an electronic communications specialist and former employee of Thomas Edison, is known for pioneering radio technology that led to the first transmission of speech by radio.
- C) Having received little formal education, Thomas Edison depended on specialized employees, including Reginald Fessenden and Frank J. Sprague, for many of his inventions.
- D) Thomas Edison's historic success would not have been possible without naval officer Frank J. Sprague, who is known for being the father of electric traction.

While researching a topic, a student has taken the following notes:

- *Jean-Michel Basquiat was an American artist who produced more than two thousand drawings and paintings.*
- *His work Mater was completed in 1982 and sold at auction in 2017.*
- *Mater is composed of acrylic and oil stick on canvas and measures 6,048 square inches in area.*
- *His work Flash in Naples was completed in 1983 and sold at auction in 2009.*
- *Flash in Naples is composed of acrylic, oil stick, and oil on canvas and measures 3,992 square inches in area.*

112

Which choice most effectively uses information from the given sentences to emphasize how the two works are similar?

- A) Between artist Jean-Michel Basquiat's works Mater and Flash in Naples, the former is the larger of the two.
- B) Composed by artist Jean-Michel Basquiat in and 1983, respectively, both Mater and Flash in Naples use acrylic paint as a medium.
- C) Artist Jean-Michel Basquiat completed Mater in 1982, and Flash in Naples followed in 1983.
- D) Artist Jean-Michel Basquiat's work Mater is composed of acrylic and oil stick, while Flash in Naples is composed of acrylic, oil stick, and oil.



While researching a topic, a student has taken the following notes:

- *The Paralympic Games are a series of international sporting events involving athletes with an impairment.*
- *Swimming has been an event at the Paralympics since 1960.*
- *Mike Kenny competed as a Paralympic swimmer from 1976 to 1988.*
- *He won eighteen medals.*
- *Of these, sixteen were gold medals, which indicate a first-place finish.*

113

Which choice most effectively uses information from the given sentences to emphasize the number of medals won by Kenny?

- A) An accomplished Paralympian with multiple gold medal wins, Mike Kenny competed as a swimmer from 1976 to 1988.
- B) During his career as a Paralympic swimmer, Mike Kenny earned a total of eighteen medals, sixteen of which were gold.
- C) Swimming, a sport in which Mike Kenny took home sixteen gold medals, has been an event at the Paralympic Games since 1960.
- D) Mike Kenny competed at the Paralympic Games, a series of international sporting events.

While researching a topic, a student has taken the following notes:

- *Sandvikens Gymnasieskola is in Sandviken, Sweden.*
- *It is home to a Foucault pendulum.*
- *The University of Oradea is in Oradea, Romania.*
- *It is home to a Foucault pendulum.*
- *A Foucault pendulum dangles from a fixed point that ensures the swing path of the pendulum doesn't change.*
- *To an observer, the swing path of a Foucault pendulum appears to change over time because Earth rotates beneath it.*

114

The student wants to emphasize a similarity between the two locations. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Sandvikens Gymnasieskola in Sandviken, Sweden, and the University of Oradea in Oradea, Romania, both house Foucault pendulums.
- B) Sandvikens Gymnasieskola, which is home to a Foucault pendulum, is in Sweden, not Romania.
- C) One Foucault pendulum is in Sweden, and the other is in Romania.
- D) Because Earth rotates beneath it, the swing path of the Foucault pendulum at Sandvikens Gymnasieskola appears to change over time.

While researching a topic, a student has taken the following notes:

- *The Clovis First hypothesis proposes that ancient humans known as Clovis were the first to populate North America.*
- *The Clovis arrived around 13,000 years ago.*
- *Stone tools found at the Saltville site in Virginia date to approximately 16,000 years ago.*
- *These items support the idea that humans were present in North America before the Clovis population arrived.*
- *More than a dozen North American sites containing pre-Clovis items have been identified.*

115

The student wants to explain the implications of the discovery at the Saltville site. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) It is the contention of the Clovis First hypothesis that the Clovis, an ancient human population, were the first to inhabit North America, arriving around 13 years ago.
- B) Located in Virginia, Saltville is one of more than a dozen North American sites where pre-Clovis items have been discovered.
- C) The approximately 16,000-year-old stone tools found at Saltville, a site in Virginia, should not be overlooked: they have important implications for the Clovis First hypothesis.
- D) Contrary to the Clovis First hypothesis, the approximately 16,000-year-old stone tools found at Saltville suggest that humans were in North America before the Clovis arrived.

While researching a topic, a student has taken the following notes:

- *Louis Ballard was a classical composer and citizen of the Quapaw Tribe.*
- *His compositions synthesize Western classical music with elements of various Native musical traditions.*
- *Ballard's classical piece Kachina Dances features traditional Hopi songs.*
- *Ballard's classical piece Fantasy Aborigine No. 3 incorporates a Tewa seashell rattle, a traditional Native instrument.*

116

The student wants to emphasize a difference between the two compositions. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Kachina Dances and Fantasy Aborigine No.3 are two compositions written by Ballard, a classical music composer.
- B) In his two compositions Kachina Dances and Fantasy Aborigine No. 3, Ballard blends elements of various Native musical traditions, such as Indigenous songs or instruments, with Western classical music.
- C) Ballard has different approaches to blending Western classical music with elements of various Native musical traditions, such as using Indigenous songs and instruments in his compositions.
- D) While both compositions integrate various Native musical traditions, Kachina Dances does so by featuring traditional Hopi songs and Fantasy Aborigine No.3 does so by incorporating a Tewa seashell rattle.

While researching a topic, a student has taken the following notes:

- *Chromosomes are cellular structures that contain genes.*
- *Genes carry critical instructions for determining an organism's physical traits.*
- *Members of the same species typically have the same number of chromosomes.*
- *The American paddlefish (Polyodon spathula) and the crucian carp (Carassius carassius) are species of fish.*
- *The American paddlefish has 120 chromosomes.*
- *The crucian carp has one hundred chromosomes.*

117

The student wants to specify how many chromosomes the American paddlefish has. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The American paddlefish's chromosomes contain genes, which are critical to determining an organism's physical traits.
- B) The American paddlefish (Polyodon spathula) and the crucian carp (Carassius carassius) both have chromosomes, but the American paddlefish has more than the crucian carp does.
- C) The American paddlefish (Polyodon spathula) has 120 chromosomes.
- D) The crucian carp, a species of fish, has one hundred structures called chromosomes.

While researching a topic, a student has taken the following notes:

- *A river's stream length is the length of a line that follows along the river path.*
- *A river's valley length is the length of a straight line drawn from the beginning of the river to the end.*
- *The river's curviness, or sinuosity, is the ratio of the river's stream length to its valley length.*
- *Low-sinuosity rivers have a stream length 1–1.5 times longer than their valley length, and high-sinuosity rivers have a stream length 1.5 or more times longer than their valley length.*
- *The Embarras River in Canada has high sinuosity.*
- *The Luni River in India has low sinuosity.*

118

The student wants to compare the curviness of the two rivers. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The high-sinuosity Luni River in India is curvier than the low-sinuosity Embarras River in Canada.
- B) The Embarras River's ratio of stream length to valley length, also known as sinuosity, is greater than that of the Luni River.
- C) In both the Embarras and the Luni rivers, curviness is determined by comparing stream length to valley length.
- D) By comparing the stream lengths of the Embarras and Luni rivers to their valley lengths, one can calculate their curviness, or sinuosity.

While researching a topic, a student has taken the following notes:

- *Happiness Is Expensive* is a 2012 sculpture by American artist Alejandro Díaz.
- It consists of a white neon sign that spells out the title phrase.
- *Harvest Moon* is a 2013 sculpture by British/Pakistani artist Shezad Dawood.
- It consists of a yellow neon sign that forms an abstract moon shape.
- Neon signs became popular with advertisers in the 1920s and began to decline in popularity in the 1960s.
- Neon signs became popular with artists in the 1960s and continue to be popular today.

The student wants to emphasize a difference between the two sculptures. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) While the sculptures share a common material, one spells out a phrase while the other is decidedly more abstract.
- B) American artist Alejandro Díaz's and British/Pakistani artist Shezad Dawood's sculptures have employed neon signs in different ways, demonstrating the versatility of the popular material.
- C) Díaz's sculpture was made in 2012 and Dawood's in 2013, both well after the advertising heyday of neon signs had passed.
- D) Molded into an evocative phrase in *Happiness Is Expensive* (2012), an abstract form in *Harvest Moon* (2013), and an advertising tool in decades past, neon lighting has a number of different applications.



While researching a topic, a student has taken the following notes:

- *Francis Halzen is a Belgian particle physicist.*
- *Particle physicists study subatomic particles.*
- *Neutrinos are some of the least understood subatomic particles.*
- *Neutrinos were first discovered in the mid-twentieth century.*
- *Halzen is known for his discovery of high-energy astrophysical neutrinos.*

120

The student wants to provide an example of a particle physicist whose research focuses on neutrinos. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The research done on high-energy astrophysical neutrinos exemplifies the work particle physicists do to advance our understanding of subatomic particles.
- B) By studying high-energy astrophysical neutrinos—to name just one example—particle physicists can learn more about neutrinos.
- C) Particle physicist Francis Halzen is known for his discovery of high-energy astrophysical neutrinos.
- D) Neutrinos are a type of subatomic particle that particle physicists are still trying to understand.

While researching a topic, a student has taken the following notes:

- *In a 2010 study, researchers Katrin Heer, Larissa Albrecht, and Elisabeth K.V. Kalko wanted to explore the effects of ingestion by bats on the germination of Ficus obtusifolia seeds in Panama.*
- *The team of researchers tested 120 Ficus obtusifolia seeds that had been ingested by Jamaican fruit bats.*
- *Of these, 111 seeds (93%) germinated.*
- *As a control, K. Heer et al. tested 120 Ficus obtusifolia seeds that had not been ingested by Jamaican fruit bats.*
- *Of these, 116 seeds (97%) germinated.*

121

The student wants to describe the study's research methodology. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In the study, a lower percentage of Ficus obtusifolia seeds ingested by bats germinated than those that had not been ingested by bats.
- B) The team of researchers tested the germination of Ficus obtusifolia seeds that had been ingested by Jamaican fruit bats and Ficus obtusifolia seeds that had not been ingested.
- C) K. Heer et al. wanted to explore the effects of Jamaican fruit bats' ingestion on Ficus obtusifolia seed germination.
- D) Research by K. Heer et al. revealed that 111—that is, 93%—of the Ficus Polita seeds that has been ingested by bats germinated.



While researching a topic, a student has taken the following notes:

- *Oak Tree House is an Ancestral Puebloan dwelling site located in southwestern Colorado.*
- *It was built under a rock overhang and inhabited from approximately 1180–1210 CE.*
- *The overhanging rock ledges offered protection from heavy rain and snow.*
- *Yucca House is an Ancestral Puebloan dwelling site located in southwestern Colorado.*
- *It was built on relatively flat terrain and inhabited from approximately 1080–1275 CE.*
- *This level surface allowed for the construction of large terraced buildings.*

122

The student wants to explain an advantage of the Oak Tree House dwelling site. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The location of Oak Tree House, an Ancestral Puebloan dwelling site in southwestern Colorado, provided an advantage to its inhabitants.
- B) Located in southwestern Colorado, Oak Tree House is an Ancestral Puebloan dwelling site that was inhabited from approximately 1180–1210CE.
- C) The relatively flat terrain on which Oak Tree House was built allowed for the construction of large terraced buildings.
- D) Since it was built under a rock overhang, Oak Tree House was naturally protected from heavy rain and snow.

While researching a topic, a student has taken the following notes:

- *Ixmiquilpan is a municipality in the state of Hidalgo, Mexico.*
- *Municipalities are governmental regions responsible for providing many public services to their residents.*
- *One service they provide is water treatment.*
- *Ixmiquilpan's population was 98,654 in 2020.*
- *Hidalgo is divided into 84 municipalities.*

123

The student wants to provide an example of a public service that Ixmiquilpan is responsible for. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Ixmiquilpan is one of municipalities in Hidalgo providing public services to their communities.
- B) Ixmiquilpan—a governmental region in the state of Hidalgo, Mexico—provides public services to its residents.
- C) As a municipality, Ixmiquilpan is responsible for providing water treatment to its residents.
- D) In 2020, the municipality of Ixmiquilpan had a population of 98,654.

While researching a topic, a student has taken the following notes:

- *A supercontinent is a single landmass made up of most or all of Earth's continents.*
- *Over time, continents merge together to form supercontinents, which then break apart.*
- *This process is believed to take hundreds of millions of years and is known as the supercontinent cycle.*
- *Ur and Columbia were supercontinents.*
- *Ur formed about 3.1 billion years ago.*
- *Columbia formed about 1.8 billion years ago.*

124

The student wants to specify when Ur formed. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Ur was a supercontinent, a single landmass made up of most or all of Earth's continents.
- B) The supercontinent Ur formed about 3.1 billion years ago.
- C) Long ago, the Earth was home to supercontinents like Ur and Columbia.
- D) Over hundreds of millions of years, the supercontinent cycle results in supercontinents forming and breaking apart.

While researching a topic, a student has taken the following notes:

- *Generally, an object will heat up when twisted.*
- *The twisting of an object is known as torsion.*
- *A 2019 study led by Zunfeng Liu and Ray Baughman tested the torsional heating of various fibers.*
- *When a 0.7-millimeter-thick sample of single-ply nickel-titanium (NiTi) wire was twisted, its average surface temperature increased by 21.3°C.*
- *When a 2.2-millimeter-thick sample of natural rubber fiber was twisted, its average surface temperature increased by 15.3°C.*

125

The student wants to contrast the two samples. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The natural rubber sample used in the study was thicker than the single-ply NiTi wire sample.
- B) When the fibers were twisted as part of the study, the surface temperature of both samples increased.
- C) Twisting an object will generally cause its temperature to increase, a process known as torsional heating.
- D) In 2019, researchers studied the effect of torsional heating on various fibers, including samples of natural rubber and single-ply NiTi wire.

While researching a topic, a student has taken the following notes:

- *Grimanesa Amoros is a Peruvian American artist well known for her LED light sculptures.*
- *Her sculpture Uros House is made of smooth multicolored LED domes.*
- *It occupies 250 cubic feet of space.*
- *Her sculpture Golden Waters is made of entangled blue and white LED tubes.*
- *It occupies 118,080 cubic feet of space.*

126

The student wants to emphasize a similarity between Uros House and Golden Waters. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Uros House is an LED light sculpture made by Grimanesa Amoros, as is Golden Waters.
- B) The smooth LED domes of Grimanesa Amoros's Uros House stand in contrast to the tangled LED tubes of Golden Waters.
- C) Grimanesa Amoros is the artist behind Uros House—a sculpture made of smooth multicolored LED domes.
- D) At 118,cubic feet in size, Grimanesa Amoros's Golden Waters cuts a larger figure than the 250-cubic-foot Uros House.

While researching a topic, a student has taken the following notes:

- *Element abundance is a relative measure of the occurrence of a chemical element in a given environment.*
- *An element's relative abundance can be expressed as a mass fraction, mole fraction, or volume fraction.*
- *Mass fraction is the ratio of an element's mass to the combined mass of all elements in a given environment.*
- *The mass fraction of calcium (Ca) is 17,100 parts per million (ppm), or 1.71%, on Earth.*
- *The mass fraction of potassium (K) is 160 ppm, or 0.016%, on Earth.*

127

The student wants to specify an element's relative abundance on Earth. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Mass fraction, mole fraction, and volume fraction can all be used to express an element's relative abundance in a given environment.
- B) Expressed as a mass fraction, the relative abundance of potassium on Earth is ppm, or 0.016%.
- C) The relative abundance of the element potassium on Earth can be expressed in three different ways.
- D) On Earth, the mass fraction of potassium is greater than that of calcium.

While researching a topic, a student has taken the following notes:

- *A supercontinent is a single landmass made up of most or all of Earth's continents.*
- *Over time, continents merge together to form supercontinents, which then break apart.*
- *This process is believed to take hundreds of millions of years and is known as the supercontinent cycle.*
- *Ur was a supercontinent that formed about 3.1 billion years ago.*
- *Euramerica was a supercontinent that formed about 300 million years ago.*

128

The student wants to emphasize a difference between the two supercontinents. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Euramerica formed about million years ago, but Ur formed much earlier—about 3.1 billion years ago.
- B) Forming and breaking apart over hundreds of millions of years, supercontinents are made up of most or all of Earth's continents.
- C) Ur and Euramerica were both supercontinents, single landmasses made up of most or all of Earth's continents.
- D) Ur formed about 3.1 billion years ago but eventually broke apart.

While researching a topic, a student has taken the following notes:

- *Lighthouses send out crucial light signals to help ships and other watercraft navigate at night.*
- *Before automation, lighthouses were run by lighthouse keepers.*
- *Elizabeth Lusby was the lighthouse keeper at Turkey Point Light in Maryland.*
- *She held this position from 1844 to 1862.*
- *Thelma Austin was the lighthouse keeper at Point Fermin Light in California.*
- *She held this position from 1925 to 1941.*

129

The student wants to emphasize a difference between the two lighthouse keepers. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Elizabeth Lusby and Thelma Austin both played crucial roles in ensuring safe navigation for watercraft in past centuries.
- B) As the lighthouse keeper at Point Fermin Light, Thelma Austin helped watercraft navigate at night.
- C) Elizabeth Lusby worked as a lighthouse keeper in an earlier century than did Thelma Austin.
- D) From 1862, the nighttime waters of Maryland were made more navigable thanks to Elizabeth Lusby.

While researching a topic, a student has taken the following notes:

- *Most of the plant and bird species in Oahu, Hawaii, are non-native.*
- *In a 2019 study, researchers wanted to know what role non-native birds play in dispersing plant seeds in Oahu.*
- *Researchers catalogued plant seeds found in fecal samples from non-native birds.*
- *Touchardia latifolia, a flowering shrub, was one of fifteen native species catalogued.*
- *Hedychium gardnerianum, an herbaceous vine, was one of twenty-nine non-native species catalogued.*
- *Researchers concluded that non-native birds play a vital role in dispersing the seeds of native and non-native plants.*

130

The student wants to contrast the two plants. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In Oahu, Hawaii, seeds from *Touchardia latifolia* and *Hedychium gardnerianum* plants were found in the fecal samples of non-native birds.
- B) The plants *Touchardia latifolia* and *Hedychium gardnerianum* can be found in Oahu, Hawaii.
- C) *Touchardia latifolia*, a species of shrub, is native to Oahu, Hawaii, but *Hedychium gardnerianum*, a species of vine, is not.
- D) Most plant species found in Oahu, Hawaii, like *Hedychium gardnerianum*, are non-native.

While researching a topic, a student has taken the following notes:

- *The Simon Kenton Trail is a rail trail.*
- *It is located in Ohio.*
- *The Papermill Trail is a rail trail.*
- *It is located in Maine.*
- *Rail trails are former railroad corridors that have been converted into public paths.*

131

The student wants to emphasize a similarity between the Simon Kenton Trail and the Papermill Trail. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) A public path created from a former railroad corridor can be found in Maine.
- B) Both the Simon Kenton Trail and the Papermill Trail are rail trails.
- C) The Simon Kenton Trail is in Ohio, whereas the Papermill Trail is in Maine.
- D) A former railroad corridor, the Simon Kenton Trail is located in Ohio.



While researching a topic, a student has taken the following notes:

- *The Wairakei geothermal power plant in New Zealand uses a flash steam system to generate electricity.*
- *Flash steam technology requires geothermal reservoir temperatures above 180°C.*
- *The use of flash steam systems worldwide is limited because many geothermal reservoirs aren't hot enough.*
- *The Traunreut geothermal power plant in Germany uses a binary cycle system.*
- *Binary cycle technology can generate energy from lower-temperature (less than 180°C) geothermal reservoirs.*
- *Binary cycle systems involve higher maintenance costs than flash steam systems.*

132

The student wants to compare the disadvantages of the geothermal systems used at the Wairakei and Traunreut plants. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Unlike the Traunreut plant, the Wairakei plant uses a flash steam system, which requires a less common resource: geothermal reservoirs with temperatures above 180°C.
- B) Compared with the system used at the Wairakei plant, the system used at the Traunreut plant has a notable disadvantage: its cost.
- C) The system used at the Traunreut plant overcomes the temperature limitations of the Wairakei plant's system but is more costly to maintain.
- D) The system at the Wairakei plant requires temperatures above 180°C, while the system at the Traunreut plant can operate at lower temperatures.

While researching a topic, a student has taken the following notes:

- *A sailing trip that goes in a complete circle around the world is called a circumnavigation.*
- *Most circumnavigations include stops on land.*
- *Anne Liardet is a French sailor.*
- *Liardet sailed the boat Roxy on a nonstop, 119-day circumnavigation.*
- *Asia Pajkowska is a Polish sailor.*
- *Pajkowska sailed the boat FanFan on a nonstop, 216-day circumnavigation.*

133

The student wants to make a generalization about circumnavigations. Which choice most effectively uses the relevant information from the notes to accomplish this goal?

- A) Pajkowska sailed FanFan around the world, while Liardet sailed Roxy.
- B) Pajkowska and Liardet have both embarked on sailing journeys around the world, also called circumnavigations.
- C) Most circumnavigations include stops on land, but some circumnavigations are nonstop.
- D) A circumnavigation is defined as a sailing trip that goes in a complete circle around the world.



While researching a topic, a student has taken the following notes:

- *Hyde Park* is a 1931 color linocut print by Canadian artist Sybil Andrews.
- It depicts a tranquil, everyday scene (a spring day in a city park).
- *Amanzi Amthatha* ("The cold water takes him") is a 2001 black-and-white linocut print by South African artist Nomathemba Tana.
- It features a scene with an explicitly political point of view (a Xhosa warrior fighting British colonial rule).
- Relief painting is a technique in which an image is carved onto a printing block, covered in ink or paint, and stamped onto paper.
- Lino cutting is a type of relief Printing that uses linoleum tile as the printing block.

134

The student wants to contrast the subject matter of the two prints. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The print by Tana is a black-and-white linocut; by contrast, Andrews's is a relief print.
- B) Tana's print expresses an explicitly political point of view, while Andrews's depicts a tranquil, everyday scene.
- C) Andrews made *Hyde Park* in 1931, while Tana made *Amanzi Amthatha* ("The cold water takes him") later, in 2001.
- D) The scenes depicted in both works were first carved onto a printing block, then stamped onto paper; however, one work is a linocut, while the other is a relief print.

While researching a topic, a student has taken the following notes:

- A copyright prevents a book's contents from being reproduced (published) without permission from the copyright holder.
- When a book's copyright expires, the book enters the public domain and can be legally reproduced by anyone.
- *The Prophet* is a collection of prose poems by Kahlil Gibran.
- It entered the public domain in 2019.
- *The Professor's House* is a novel by Willa Cather.
- It entered the public domain in 2021.

135

The student wants to emphasize a similarity between *The Prophet* and *The Professor's House*. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) *The Prophet*, a collection of prose poems by Kahlil Gibran, entered public domain in 2019, unlike Willa Cather's novel *The Professor's House*, which would do so later.
- B) *The Prophet*, a collection of prose poems by Kahlil Gibran, and *The Professor's House*, a novel by Willa Cather, recently entered the public domain.
- C) *The Prophet* is a collection of prose poems, whereas *The Professor's House* is a novel
- D) The year was 2021, and the copyright to Willa Cather's *The Professor's House* had finally expired.

While researching a topic, a student has taken the following notes:

- *The A.M Turing Award is a prestigious award given by the Association for Computing Machinery (ACM).*
- *The ACM gives the award for "major contributions of lasting importance to computing".*
- *Shafi Goldwasser won the award in 2012 for transformative work that laid the foundations for digital cryptography.*

136

Which choice most effectively uses information from the given sentences to emphasize when Shafi Goldwasser won A.M. Turing Award?

- A) For transformative work that laid the foundations for digital cryptography, Shafi Goldwasser won the A.M. Turing Award.
- B) It was in 2012 that Shafi Goldwasser won the A.M. Turing award.
- C) Shafi Goldwasser is one winner of the A.M. Turing Award.
- D) The prestigious A.M. Turing Award is given for "major contributions of lasting importance to computing."

While researching a topic, a student has taken the following notes:

- *The false killer whale is a mammal species.*
- *It was believed to be extinct until a living false killer whale was identified in Denmark in 1861.*
- *The Banggai crow is a bird species.*
- *It was believed to be extinct until a living Banggai crow was identified in Indonesia in 2007.*
- *They are considered Lazarus species.*
- *"Lazarus species" is term for living species of organisms that were once believed to be extinct.*

137

The student wants to specify when the false killer whale was identified. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) A living false killer whale, once believed to be extinct, was identified in 1861.
- B) Previously believed to be extinct, a living false killer whale was identified in Denmark.
- C) Identified in Indonesia, a living Banggai crow was found in 2007.
- D) An example of a Lazarus species was found in 2007.

While researching a topic, a student has taken the following notes:

- *Ibn Sina was a Persian philosopher and physician.*
- *His book *The Canon of Medicine* recorded the most advanced medical knowledge of his time.*
- *It was published in the years 1025 CE.*
- *It was used as a medical textbook in Middle Eastern and European universities for centuries.*

138

The student wants to identify the year that *the Canon of Medicine* was published. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Ibn Sina recorded the most advanced medical knowledge of his time in his book *The Canon of Medicine*.
- B) A Persian philosopher and physician wrote a medical textbook called *The Canon of Medicine*.
- C) *The Canon of Medicine* was a medical textbook used by Middle Eastern and European universities for centuries.
- D) Ibn Sina's book *The Canon of Medicine* was published in the year 1025 CE.

While researching a topic, a student has taken the following notes:

- *The engineer Robert Fulton designed the Clermont steamboat in 1807.*
- *He designed it in New York City.*
- *Clermont was the world's first commercially successful steamboat.*
- *The city of Fulton, Missouri, is named after Robert Fulton.*
- *New York City's Fulton Street is named after him.*

139

The student wants to indicate how Fulton, Missouri, got its name. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Fulton Street is in New York City, where steamboat Clermont was designed in 1807.
- B) Fulton, Missouri, is named after Robert Fulton, designer of the first commercially successful steamboat.
- C) Designed in New York City, Clermont was the first commercially successful steamboat.
- D) Fulton, Missouri, shares its name with Fulton Street in New York City.

While researching a topic, a student has taken the following notes:

- *The El Pinito Mountains are a mountain range located in northwestern Mexico.*
- *The range is one of the dozens of "sky islands" in the southwestern US and northwestern Mexico.*
- *A sky island is an isolated mountain range whose environment differs drastically from that of the surrounding lowlands.*
- *The US Forest Service (USFS) said, "The mountains are 'islands' surrounded by deserts that are 'seas.'"*
- *The USFS said, "Each sky Island is a unique ecosystem."*

140

The student wants to prove an example of a sky island. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Sky islands are isolated mountain ranges whose environments differ drastically from that of the surrounding lowlands; as the USFS puts it, "The mountains are 'islands' surrounded by deserts that are 'seas.'"
- B) The USFS considers each of the sky islands, whose environments differ drastically from that of the surrounding lowlands, to be a "unique ecosystem."
- C) There are dozens of sky islands in the southwestern US and northwestern Mexico, such as the El Pinito Mountains.
- D) In the southwestern US and northwestern Mexico, there are dozens of sky islands: isolated mountain ranges whose environments differ drastically from that of the surrounding lowlands.

While researching a topic, a student has taken the following notes:

- *Samuel Delaney is a US writer known for his science fiction.*
- *Delaney's science fiction novel Babel-17 was published in 1966.*
- *The novel won a Nebula Award in 1967.*
- *The Nebula Awards are given each year to the best works of science fiction published in the US.*

141

The student wants to indicate the title of a novel that won a Nebula Award. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) One of Samuel Delaney's novels was among the best works of science fiction published in the US.
- B) Samuel Delaney is an award-winning US writer known for his science fiction.
- C) Babel-17, by Samuel Delaney, won a Nebula Award in 1967.
- D) Samuel Delaney published a science fiction novel in 1966.



While researching a topic, a student has taken the following notes:

- *Uranus has twenty-seven moons, including Oberon and Miranda.*
- *Oberon completes an orbit of Uranus in 13.46 Earth days on average.*
- *Miranda completes an orbit of Uranus in 1.41 Earth days on average.*
- *German mathematician and astronomer Johannes Kepler (1571-1630) described the orbits of planets as elliptical in shape rather than circular.*
- *Kepler published three laws of planetary motion to describe the orbits of planets around the Sun.*
- *Kepler's laws also apply to the elliptical orbits of natural satellites (e.g., moons).*

142

The student wants to contrast the orbits of the two moons. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Miranda completes its orbit of Uranus many times faster than Oberon does.
- B) Kepler's three laws of planetary motion describe the orbits of planets and natural satellites, including those of Oberon and Miranda.
- C) Oberon's orbit of Uranus is elliptical in shape and takes, on average, 13.46 Earth days, while Miranda's orbit of Uranus is circular in shape and takes, on average, 1.41 Earth days.
- D) Uranus's moons, specifically Oberon and Miranda, orbit their planet in the same way the planets orbit the Sun.

While researching a topic, a student has taken the following notes:

- *A U-shaped curve in a river channel is called a meander.*
- *A meander forms when water erodes sediment from one side of the riverbank and redeposits that sediment on the opposite side.*
- *Meanders will gradually change shape and migrate downstream over time.*
- *A river with high sinuosity has many meanders, and a river with low sinuosity has few.*
- *The Willapa River in the United States has high sinuosity.*

143

The student wants to define the term "high-sinuosity river." Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) A high-sinuosity river is one that has many meanders, or U-shaped curves.
- B) A high-sinuosity river has U-shaped curves called meanders that will gradually change shape and shift downstream.
- C) High sinuosity is caused by the erosion and redepositing of sediment in a riverbank over time.
- D) Over time, the many meanders in the high-sinuosity Willapa River will change shape and migrate downstream.

While researching a topic, a student has taken the following notes:

- *Freezers and other cooling technologies use chemical compounds called refrigerants to absorb heat and release cold air.*
- *When a refrigerant absorbs heat, it undergoes vaporization, changing from a liquid to a gas.*
- *When it cools, it undergoes condensation, changing from a gas to a liquid.*
- *The refrigerant fluoromethane is a hydrofluorocarbon (HFC).*
- *HFCs are composed of the elements hydrogen, fluorine, and carbon.*

144

The student wants to describe the role of refrigerants in freezers. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Freezers can absorb heat and release cold air through vaporization and condensation.
- B) The refrigerant fluoromethane, used in freezers, is made up of hydrogen, fluorine, and carbon.
- C) Used in freezers, refrigerants such as fluoromethane can change from a gas to a liquid and back.
- D) Freezers use refrigerants like fluoromethane to absorb heat and release cold air.

While researching a topic, a student has taken the following notes:

- *The Carnegie Prize is an international art competition administered by the Carnegie Museum of Art in Pittsburgh, Pennsylvania.*
- *Painter John Lavery of Ireland won a Carnegie Prize gold medal in 1896.*
- *Lavery's winning artwork was a painting entitled Lady in Brown.*
- *Sculptor Alexander Calder of the US won a Carnegie Prize gold medal in 1958.*
- *Calder's winning artwork was a sculpture entitled Mobile: Pittsburgh.*

145

The student wants to emphasize a similarity between two artworks. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Both Lady in Brown and Mobile: Pittsburgh are Carnegie Prize gold medal-winning artworks.
- B) Lavery, a painter, won a Carnegie Prize gold medal in for Lady in Brown.
- C) The Carnegie Art Museum in Pittsburgh, Pennsylvania, has awarded Carnegie Prize gold medals to both painters and sculptors.
- D) In contrast to Lady in Brown, a painting Mobile: Pittsburgh is a sculpture.



While researching a topic, a student has taken the following notes:

- *A copyright prevents a book's contents from being reproduced (published) without permission from the copyright holder.*
- *When a book's copyright expires, the book enters the public domain and can be legally reproduced by anyone.*
- *Harmonium is a poetry collection by Wallace Stevens.*
- *It entered the public domain in 2019.*
- *Barren Ground is a novel by Ellen Glasgow.*
- *It entered the public domain in 2021.*

146

The student wants to emphasize a similarity between *Harmonium* and *Barren Ground*. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The year was 2021, and the copyright to Ellen Glasgow's *Barren Ground* had finally expired.
- B) *Harmonium*, a poetry collection by Wallace Stevens, and *Barren Ground*, a novel by Ellen Glasgow, recently entered the public domain.
- C) *Harmonium* is a poetry collection, whereas *Barren Ground* is a novel.
- D) *Harmonium*, a poetry collection by Wallace Stevens, entered the public domain in 2019, unlike Ellen Glasgow's novel *Barren Ground*, which would do so later.

While researching a topic, a student has taken the following notes:

- *Antelope House is an Ancestral Puebloan dwelling site located in northeastern Arizona.*
- *It was built under a rock overhang and inhabited from approximately 1050-1270 CE.*
- *The overhanging rock ledges offered protection from heavy rain and snow.*
- *Mud Springs Pueblo is a an Ancestral Puebloan dwelling site located in southwestern Colorado.*
- *It was built on relatively flat terrain and inhabited from approximately 1200-1250 CE.*
- *This level surface allowed for the construction of large terraced buildings.*

147

The student wants to explain an advantage of the Antelope House dwelling site. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The relatively flat terrain on which Antelope House was built allowed for the construction of large terraced buildings.
- B) Located in northeastern Arizona, Antelope House is an Ancestral Puebloan dwelling site that was inhabited from approximately 1050-1270CE.
- C) The location of Antelope House, an Ancestral Puebloan dwelling site in northeastern Arizona, provided an advantage to its inhabitants.
- D) Since it was built under a rock overhang, Antelope House was naturally protected from heavy rain and snow.

While researching a topic, a student has taken the following notes:

- *The Coachella Valley National Wildlife Refuge (NWR) is a protected natural area in California.*
- *It encompasses 3,592 acres.*
- *It was established to safeguard the habitat of the Coachella Valley fringe-toed lizard, an endangered species.*
- *The Coachella Valley NWR is managed by the US Fish & Wildlife Service.*
- *The US Fish & Wildlife Service limits human activities in the area.*

148

The student wants to indicate the size of the Coachella Valley NWR. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The Coachella Valley NWR is a natural area in California, home to the Coachella Valley fringe-toed lizard.
- B) A protected natural area, the Coachella Valley NWR encompasses 3,592 acres of land in California.
- C) The Coachella Valley NWR is a protected natural area managed by the US Fish & Wildlife Service, which limits human activities there.
- D) Home to the Coachella Valley fringe-toed lizard, California's Coachella Valley NWR is managed by the US Fish & Wildlife Service.

While researching a topic, a student has taken the following notes:

- *Mauritania is a country in North Africa.*
- *A high percentage of Mauritania's population (39.9 percent) is under fifteen years old.*
- *It has the thirty-fourth-largest under-fifteen population in the world.*
- *Roughly 40 percent of Africa's population is under fifteen years old—the highest of any continent.*
- *According to the United Nations (UN), Africa's "high number of young people is an opportunity for the continent's growth – but only if the new generations are fully empowered to realize their best potential."*

149

The student wants to emphasize the global rank of Mauritania's youth population. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) With 39.9 percent of its population under fifteen years of age, Mauritania has the thirty-fourth largest population for that age range in the world.
- B) Africa's high population of young people is due in part to the high percentage of young people in Mauritania.
- C) Making up roughly 40 percent of the continent's total population, Africa's under-fifteen population offers "an opportunity for the continent's growth," according to the UN.
- D) "Only if these new generations are fully empowered to realize their best potential," says the UN, will Africa's high percentage of young people lead to the continent's growth.

While researching a topic, a student has taken the following notes:

- *Elizabeth Catlett (1915-2012) was a celebrated African American artist.*
- *She is best known for creating sculptures and prints that explore the Black experience.*
- *Mahalia is a 2002 sculpture by Catlett.*
- *Paulina is a 2009 print by Catlett.*

150

The student wants to provide an example of one of Catlett's sculptures. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The sculpture Mahalia was created by celebrated artist Elizabeth Catlett in 2002.
- B) Elizabeth Catlett, a celebrated artist, was born in 1915.
- C) The print Paulina was created by celebrated artist Elizabeth Catlett in 2009.
- D) Artist Elizabeth Catlett is best known for creating sculptures and prints that explore the Black experience.

While researching a topic, a student has taken the following notes:

- *Herpetology is primarily the study of amphibians and reptiles.*
- *Mary Cynthia Dickerson was an American herpetologist born in 1866.*
- *She is known for her research on frogs.*
- *Biochemistry is primarily the study of the chemical makeup and activity of organisms.*
- *Muriel Wheldale Onslow was a British biochemist born in 1880.*
- *She is known for her research on the basis of petal color in dragon flowers.*

151

Which choice most effectively uses information from the given sentences to emphasize a similarity between Dickerson and Onslow?

- A) Mary Cynthia Dickerson conducted research on frogs; Muriel Wheldale Onslow, by contrast, is known for her research on the basis of petal color in dragon flowers.
- B) Herpetology and biochemistry are just two examples of the myriad fields in which scientists can specialize.
- C) Like herpetologist Mary Cynthia Dickerson, biochemist Muriel Wheldale Onslow dedicated her scientific career to the study of living organisms.
- D) The herpetologist Mary Cynthia Dickerson was born in 1866, but biochemist Muriel Wheldale Onslow was born later, in 1880.

While researching a topic, a student has taken the following notes:

- *Hadramphus tuberculatus* is an insect species.
- It was believed to be extinct until a living specimen was identified in New Zealand in 2004.
- *Catagonus wagneri* is a mammal species.
- It was believed to be extinct until a living specimen was identified in Argentina in 1974.
- They are considered Lazarus species.
- "Lazarus species" is a term for living species of organisms that were once believed to be extinct.

152

The student wants to specify where *Hadramphus tuberculatus* was identified. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In 1974, a living specimen of *Catagonus wagneri* was found in Argentina.
- B) A living specimen of *Hadramphus tuberculatus*, once believed to be extinct, was identified in 2004.
- C) Previously believed to be extinct, a living specimen of *Hadramphus tuberculatus* was identified in New Zealand.
- D) Examples of Lazarus species can be found in *Hadramphus tuberculatus* as well as *Catagonus wagneri*.

While researching a topic, a student has taken the following notes:

- In a 2021 study, researchers showed participants an unaltered image of a popular character or logo alongside two slightly altered versions.
- Fred Flintstone is a cartoon man in a spotted tunic.
- In the first alteration, the tunic had a striped pattern.
- In the second alteration, the tunic had no pattern.
- Participants were asked to identify the correct version.
- 86.9% of participants selected the unaltered image, and 13.1% selected an altered version.

153

The student wants to emphasize how many participants selected an altered version of Fred Flintstone. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) When participants were asked to identify the correct version of Fred Flintstone, 86.9% selected the unaltered image.
- B) A study showed participants an unaltered image of Fred Flintstone, who is a cartoon man in a spotted tunic, alongside two altered versions.
- C) Participants were asked to identify the correct version of Fred Flintstone, who is a cartoon man in a spotted tunic.
- D) When shown three versions of Fred Flintstone and asked to select the correct one, 13.1% of participants chose an altered version.



While researching a topic, a student has taken the following notes:

- *Body positions are a fundamental aspect of dance.*
- *In Vaganova method ballet, there is a position for the dancer's arms called first position.*
- *In the position, both arms are rounded to roughly align the fingers with the navel.*
- *In Royal Academy of Dance ballet, there is a position for the dancer's arms called demi-seconde position.*
- *In this position, both arms are out to the sides but angled downward.*

154

The student wants to emphasize similarity between the two positions. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) First position in Vaganova method ballet and demi-seconde position in Royal Academy of Dance ballet are both positions for the dancer's arms.
- B) Both first position and demi-seconde position are positions in Royal Academy of Dance ballet.
- C) In first position, both arms are rounded to roughly align the fingers with the navel, in contrast to demi-seconde position, where both arms are out to the sides but angled downward.
- D) In Vaganova method ballet, there are a number of positions, including first position.

While researching a topic, a student has taken the following notes:

- *Zora Neale Hurston was an acclaimed writer.*
- *Her first published work of fiction was a short story.*
- *It was called "John Redding Goes to Sea."*
- *It first appeared in Stylus in 1921.*

155

The student wants to identify the title of Zora Neale Hurston's first published short story. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Zora Neale Hurston's first published work of fiction appeared in 1921.
- B) Zora Neale Hurston's first published short story was called "John Redding Goes to Sea."
- C) In 1921, a short story by Zora Neale Hurston appeared in Stylus.
- D) Acclaimed writer Zora Neale Hurston's first published work of fiction was a short story.

While researching a topic, a student has taken the following notes:

- *The Galápagos penguin is a species of bird that can be found on the Galápagos Island of Floreana.*
- *It has an average weight of 2.5 kilograms.*
- *The grey warbler finch is a species of bird that can be found on the Galápagos Island of Floreana.*
- *It has an average weight of 9 grams.*

156

The student wants to emphasize a similarity between the Galápagos penguin and the grey warbler finch. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) On average, the Galápagos penguin weighs 2.5 kilograms, while the grey warbler finch weighs 9 grams.
- B) The grey warbler finch, which weighs 9 grams on average, can be found on the Galápagos Island of Floreana.
- C) The grey warbler finch and the Galápagos penguin can both be found on the Galápagos Island of Floreana.
- D) The Galápagos Island of Floreana is home to several bird species, one of which is the Galapagos penguin.

While researching a topic, a student has taken the following notes:

- *Element abundance is a relative measure of the amount of a chemical elements in a given environment.*
- *Abundance can be expressed as a mass fraction.*
- *A mass fraction is the ratio of the total mass of an element to the combined mass of all the elements in a given environment.*
- *The mass fraction of iron (Fe) on Earth is 319,000 parts per million (ppm).*
- *The mass fraction of strontium (Sr) on Earth is 13 ppm.*

157

The student wants to specify the total mass of Earth's iron relative to that of all elements. Which choice most effectively uses relevant data from the notes to accomplish this goal?

- A) The mass fraction of iron on Earth is 319,000 ppm.
- B) Iron's mass relative to the combined mass of all elements on Earth is 13 ppm.
- C) Iron's abundance can be expressed by a mass fraction, the element's mass relative to that of all elements on Earth.
- D) Iron's abundance on Earth is greater than strontium's, as reflected by iron's higher mass fraction.



While researching a topic, a student has taken the following notes:

- *Birds of Northern South America is an identification guidebook by ornithologists Robin Restall, Clemencia Rodner, and Miguel Lentino.*
- *It lists the thirty-five hummingbird species found in Suriname.*
- *The green-throated mango is a large hummingbird found in Suriname.*
- *It is identifiable by its green throat and its long, black, curved bill.*
- *The horned sungem is a medium-sized hummingbird found in Suriname.*
- *It is identifiable by its distinctive multicolored, tufted crown and its short, black, straight bill.*

158

Which choice most effectively uses information from the given sentences to emphasize a similarity between two birds?

- A) Birds of Northern South America is an expertly compiled guidebook by ornithologists Robin Restall, Clemencia Rodner, and Miguel Lentino.
- B) Though they share several traits in common, the green-throated mango is larger than the horned sungem.
- C) While each exhibits unique traits in common, the green-throated mango and the horned sungem both have black bills.
- D) The horned sungem is a medium-sized hummingbird identifiable by its distinctive multicolored, tufted crown and its short, black, straight bill.

While researching a topic, a student has taken the following notes:

- *If a moon orbiting a planet comes close enough to that planet, tidal forces can cause the moon to break apart.*
- *In a 2022 study, researchers proposed that Saturn was once orbited by a large moon they named Chrysalis.*
- *Their simulations indicated that Chrysalis would likely have come very close to Saturn around 160 million years ago.*
- *At that distance, Chrysalis would have been broken apart by tidal forces.*
- *The researchers hypothesized that the resulting debris formed Saturn's rings.*

159

The student wants to recount the sequence of events proposed by the researchers. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) According to researchers' simulations, debris from Saturn's rings would likely have caused Chrysalis – a large moon orbiting Saturn – to break apart around million years ago.
- B) In a study, researchers proposed that Saturn was once orbited by a large moon that broke apart.
- C) Around 160 million years ago, a large moon (Chrysalis) may have come close enough to Saturn that tidal forces broke the moon apart: its debris then formed the planet's rings.
- D) If a moon orbiting a planet (like Saturn) comes close enough to that planet, tidal forces can cause the moon to break apart.

While researching a topic, a student has taken the following notes:

- A multiyear study called *GREEN SURGE* examined forty-four different types of UNAs (urban natural areas) in cities throughout Europe.
- A primary aim of the study was to determine the benefits of UNAs in these cities.
- Large urban parks are among the types of UNAs included in the study.
- Large urban parks are defined as green city areas reserved for recreational use.
- They can benefit urban environments by contributing to biodiversity.

160

The student wants to emphasize an objective of the *GREEN SURGE* study. Which choice most effectively uses relevant information from to accomplish this goal?

- A) For multiple years, the *GREEN SURGE* study was conducted in cities throughout Europe.
- B) To achieve its main objective, the *GREEN SURGE* study examined forty-four different types of UNAs, including large urban parks.
- C) Determining the benefits of UNAs in European cities was a primary aim of the *GREEN SURGE* study.
- D) Large urban parks, which were included in the *GREEN SURGE* study, can benefit urban environments by contributing to biodiversity.

While researching a topic, a student has taken the following notes:

- Maya Lin is an American artist known for her memorials and works of installation art.
- She completed the *Women's Table* in 1993.
- It is a memorial sculpture consisting of a thirty-two-ton granite fountain, and it is designed to commemorate female students at Yale University.
- She completed *Silver Upper White River* in 2015.
- It is an installation composed of recycled silver that fills an entire gallery wall.

161

The student wants to describe *Silver Upper White River* to a new audience. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Completed in 2015, Maya Lin's *Silver Upper White River* is a large-scale installation artwork composed of recycled silver that fills an entire gallery wall.
- B) Artist Maya Lin is well known for her installation art, such as *Silver Upper White River* (2015), and for her memorials.
- C) Maya Lin's *Women's Table* is a granite memorial sculpture that commemorates female students at Yale University, while *Silver Upper White River* is an installation artwork.
- D) Though Maya Lin's *Silver Upper White River* (2015) is not a memorial, its gallery-filling scale may call to mind the imposing *Women's Table*, which consists of a thirty-two-ton granite fountain.

While researching a topic, a student has taken the following notes:

- *Georeferencing is the process of assigning geographic coordinates to an image.*
- *This process enables mapping software to place the image in its real-world location.*
- *A 2017 project by Tania López Marrero and colleagues georeferenced a set of aerial photographs of Puerto Rico's coastline taken in 1930.*
- *These photographs are the earliest known aerial photographs of Puerto Rico.*
- *López Marrero's project provided data that can help researchers analyze changes in Puerto Rico's coastline.*

162

The student wants to define the term "georeferencing." Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Tania Lopez Marrero and colleagues used georeferencing used in their analysis of the earliest known aerial photographs of Puerto Rico.
- B) Georeferencing is the process of assigning geographic coordinates to an image so that mapping software can place it in its real-world location.
- C) A project by Tania López Marrero and colleagues assigned geographic coordinates to photographs of Puerto Rico's coastline and also used georeferencing.
- D) Georeferenced aerial photographs from López Marrero's project can help researchers analyze changes in Puerto Rico's coastline.

While researching a topic, a student has taken the following notes:

- *Grimanesa Amoros is a Peruvian American artist well known for her LED light sculptures.*
- *Her sculpture Uros House is made of smooth multicolored LED domes.*
- *It occupies 250 cubic feet of space.*
- *Her sculpture Ocupante is made of entangled blue and white LED tubes.*
- *It occupies 80,000 cubic feet of space.*

163

The student wants to emphasize a similarity between Uros House and Ocupante. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) At 80,000 cubic feet in size, Grimanesa Amoros's Ocupante cuts a larger figure than the cubic foot Uros House.
- B) Uros House is an LED light sculpture made by Grimanesa Amoros, as is Ocupante.
- C) The smooth LED domes of Grimanesa Amoros's Uros House stand in contrast to the tangled LED tubes of Ocupante.
- D) Grimanesa Amoros is the artist behind Uros House—a sculpture made of smooth multicolored LED domes.

While researching a topic, a student has taken the following notes:

- *Dinosaur fossil specimens can be found at science museums all over the world.*
- *A dinosaur fossil specimen nicknamed Stan is housed at the Black Hills Institute in Hill City, South Dakota.*
- *Stan, a Tyrannosaurus, lived in the Late Cretaceous period.*
- *A dinosaur fossil specimen nicknamed Horridus is housed at the Melbourne Museum in Melbourne, Australia.*
- *Horridus, a Triceratops, lived in the Late Cretaceous period.*

164

The student wants to emphasize a similarity between the two dinosaur fossil specimens. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Both the Tyrannosaurus fossil specimen Stan and the Triceratops fossil specimen Horridus lived in the Late Cretaceous period.
- B) While the Tyrannosaurus fossil specimen Stan is in Hill City, South Dakota, the Triceratops fossil specimen Horridus is in Melbourne, Australia.
- C) Dinosaur fossil specimens can be found at science museums all muse the world, including in Hill City, South Dakota, and Melbourne, Australia.
- D) The Black Hills Institute is home to Stan, a Tyrannosaurus fossil specimen from the Late Cretaceous period.

While researching a topic, a student has taken the following notes:

- *Soap forms as the result of a chemical reaction between fats and either sodium or potassium hydroxide.*
- *One end of a soap molecule is hydrophobic (water repelling), and one end is hydrophilic (water attracting).*
- *The hydrophobic ends of soap molecules adhere to hydrophobic surface contaminants, such as dirt and oils.*
- *The soap molecules form circular structures (micelles) around contaminants.*
- *The hydrophilic ends of the molecules encase the micelles in water, lifting the micelles and contaminants off surfaces.*

165

The student wants to explain how soap removes a surface contaminant. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Surface contaminants like dirt and oils are hydrophobic, not hydrophilic—meaning they repel water rather than attract it.
- B) Micelles are circular structures created when soap molecules attach themselves to dirt or oils.
- C) To remove dirt from a surface, soap molecules form a circular structure, or micelle, around the contaminant; next, the molecules encase the micelle in water, lifting it—and the dirt—off the surface.
- D) Dirt, an example of a hydrophobic surface contaminant, can be removed from a surface by soap, which forms as the result of a chemical reaction between fats and either sodium or potassium hydroxide.



While researching a topic, a student has taken the following notes:

- *The United States has designated more than 500 areas National Wildlife Refuges (NWRs).*
- *Some NWRs were established specifically to protect endangered species.*
- *The Bear Valley NWR is a 4,200-acre area in Oregon.*
- *It was established to protect the endangered bald eagle.*
- *The Ellicott Slough NWR is a 139-acre area in California.*

166

The student wants to emphasize a similarity between the two NWRs. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The US has designated more than 500 areas NWRS, including the Bear Valley NWR in Oregon.
- B) While the Bear Valley NWR extends across a 4,200-acre area, the Ellicott Slough NWR encompasses only 139 acres.
- C) Some NWRS, such as California's Ellicott Slough, were established specifically to protect endangered species.
- D) Both the Bear Valley NWR and the Ellicott Slough NWR were established to protect endangered species.

While researching a topic, a student has taken the following notes:

- *In botany, strawberries (*Fragaria ananassa*) are classified as fruits.*
- *In botany, green beans (*Phaseolus vulgaris*) are classified as fruits.*
- *Green beans are commonly considered vegetables because they taste savory.*
- *Strawberries are commonly considered fruits because they taste sweet.*

167

The student wants to emphasize a similarity between strawberries and green beans. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Unlike strawberries, green beans taste savory.
- B) In botany, strawberries (*Fragaria ananassa*) and green beans (*Phaseolus vulgaris*) are both classified as fruits.
- C) While strawberries are commonly considered fruits, green beans are commonly considered vegetables.
- D) Strawberries, which are botanically classified as fruits, taste sweet and thus are commonly considered fruits.

While researching a topic, a student has taken the following notes:

- *Historian Isabel Wilkerson's book The Warmth of Other Suns is about the Great Migration.*
- *The Great Migration was a period in twentieth-century US history when over six million African Americans moved from the rural South to cities such as New York.*
- *To document this period, Wilkerson narrates the personal journeys of Ida Mae Gladney and Robert Pershing Foster, among others.*
- *The book won the Hurston/Wright Legacy Award in 2011.*
- *It also won the Heartland Prize in 2011.*

168

Which choice most effectively uses information from the given sentences to emphasize how Wilkerson documents the Great Migration?

- A) The personal journey of Ida Mae Gladney is featured in the award-winning book *The Warmth of Other Suns*.
- B) New York, New York, is one of the cities whose African American populations grew during the Great Migration.
- C) In 2011, Isabel Wilkerson's book *The Warmth of Other Suns* won not only the Hurston/Wright Legacy Award but also the Heartland Prize.
- D) Isabel Wilkerson chronicles the complex history of the Great Migration in such riveting, personal detail by narrating the journeys of individuals, such as Ida Mae Gladney and Robert Pershing Foster.

While researching a topic, a student has taken the following notes:

- *Field is a 1968 black-and-white linocut print by Black American artist Samella Lewis.*
- *It features a laborer raising his fist in a symbol of liberation.*
- *Relief printing is a technique in which an image is first carved onto a printing block made of wood, rubber, or other materials.*
- *The block is then painted and stamped onto a print surface.*
- *Lino cutting is a type of relief printing that uses linoleum tile as the printing block.*

169

The student wants to describe the process of relief printing. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Lewis used relief printing to create the 1968 linocut *Field*.
- B) In relief printing, an image is carved onto a printing block, which is then painted and pressed onto a print surface.
- C) Lewis used a relief printing technique called lino cutting, carving an image onto linoleum tile.
- D) Relief printing is a technique that can use wood, rubber, and other materials as the printing block, not just linoleum tile.



While researching a topic, a student has taken the following notes:

- *Modularity of mind is the notion that the mind is at least partly composed of innate neural structures (modules) that perform fast, necessary tasks.*
- *1983: cognitive scientist Jerry A. Fodor hypothesized that low-level cognitive systems (e.g., perception, language) are modular.*
- *In Fodorian modularity, high-level systems (e.g., reasoning) are not modular.*
- *2003: cognitive scientist Peter Carruthers proposed the massive modularity hypothesis (MMH).*
- *MMH expands modularity to include all cognitive systems.*

170

The student wants to compare Fodor's hypothesis with Carruthers's. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In 2003, Carruthers proposed the massive modularity hypothesis, disagreeing with Fodor's earlier hypothesis that the mind is composed of innate neural structures.
- B) In considering some but not all cognitive systems modular, Fodorian modularity is not as expansive in its definition of modularity as MMH is.
- C) The hypotheses of Fodor and Carruthers differ in whether they consider low-level cognitive systems, such as perception and language, modular.
- D) Following Fodor's 1983 hypothesis, Carruthers proposed that modularity of mind includes all cognitive systems.

While researching a topic, a student has taken the following notes:

- *Carbon can exist in several distinct structural forms called allotropes.*
- *Graphite is a carbon allotrope.*
- *Graphite is composed of stacked graphene sheets.*
- *Each graphene sheet is composed of carbon atoms arranged in a flat honeycomb pattern.*
- *Carbon nanotubes are carbon allotropes.*
- *They are composed of one or more graphene sheets wrapped into a cylindrical shape.*

171

The student wants to emphasize a difference between carbon nanotubes and graphite. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Composed of sheets wrapped into a cylindrical shape, carbon nanotubes contrast with graphite, a carbon allotrope composed of graphene sheets.
- B) Graphite and carbon nanotubes are allotropes composed of stacked or wrapped graphene sheets, but carbon can exist in several distinct structural forms.
- C) Unlike carbon nanotubes, which are composed of sheets of carbon atoms arranged in a flat honeycomb pattern, graphite is a cylindrical carbon allotrope.
- D) The graphene sheets in graphite are stacked, whereas in carbon nanotubes, they form a cylinder.

While researching a topic, a student has taken the following notes:

- *Today, more than twenty different national currencies are referred to as "dollars."*
- *The English word "dollar" comes from the German word "thaler."*
- *Kiribati's currency is known as the Kiribati dollar*

172

The student wants to provide an example of a country that uses the word "dollar" in the name of its currency. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Kiribati uses the Kiribati dollar as its national currency.
- B) Kiribati does not refer to its currency by the German word "thaler."
- C) The German word "thaler" is the origin of the English word "dollar."
- D) Today, many countries use the word "dollar" in naming their currencies.

While researching a topic, a student has taken the following notes:

- *In a 2003 study, Alexander and Schrag tested the effect of plant litter on seedling emergence in a grassland setting.*
- *The test site was a mesic grassland in a dry midlatitude climate in the United States.*
- *The researchers found that in these environmental conditions the presence of plant litter had a positive effect on seedling emergence.*
- *Seedling emergence is when a seedling sprouts above ground and begins photosynthesis.*

173

Which choice most effectively uses information from the given sentences to present the study's findings to an audience already familiar with the concept of seedling emergence?

- A) The findings of Alexander and Schrag's study were published in 2003.
- B) In a 2003 study by Alexander and Schrag, plant litter was found to have a positive effect on seedling emergence, which is when a seedling sprouts and begins photosynthesis.
- C) The effect of plant litter, which includes dead leaves and other plant matter, on seedling emergence has been the subject of scientific study.
- D) Alexander and Schrag found that in a mesic grassland and a dry midlatitude climate the presence of plant litter had a positive effect on seedling emergence.

While researching a topic, a student has taken the following notes:

- *Generally, an object will heat up when twisted.*
- *The twisting of an object is known as torsion.*
- *A 2019 study led by Zunfeng Liu and Ray Baughman tested the torsional heating of various fibers.*
- *When a sample of four-ply nickel-titanium (NiTi) wire was twisted, its average surface temperature increased by 30.4°C.*
- *When a sample of ethylene propylene diene monomer (EPDM) rubber fiber was twisted, its average surface temperature increased by 12°C.*

174

The student wants to emphasize a similarity between EPDM rubber and four-ply NiTi wire fibers. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In 2019, two research teams observed the effects of torsional heating on various fibers, including EPDM rubber and four-ply NiTi wire.
- B) Both EPDM rubber and four-ply NITI wire fibers heat up when twisted, according to a 2019 study.g sprouts and begins photosynthesis.
- C) Researchers determined that when the filbers were twisted, the average surface temperature of four-ply NiTi wire increased more than that of EPDM rubber.
- D) Twisting an object will generally cause its temperature to increase, a process known as torsional heating.

While researching a topic, a student has taken the following notes:

- *GA supercontinent is a single landmass made up of most or all of Earth's continents.*
- *Over time, continents merge together to form supercontinents, which then break apart.*
- *This procest is believed to take hundreds of millions of years and is known as the supercontinent cycle.*
- *Ur was a supercontinent that formed about 3.1 billion years ago.*
- *Pangaea was a supercontinent that formed about 300 million years ago.*

175

The student wants to emphasize the order in which the supercontinents were formed. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Ur formed about 3.1 billion years ago but eventually broke apart.
- B) Ur and Pangaea were both supercontinents, single landmasses made up of most or all of Earth's continents.
- C) The supercontinent Pangaea formed long after the supercontinent Ur.
- D) Forming and breaking apart over hundreds of millions of years, supercontinents are made up of most or all of Earth's continents.

While researching a topic, a student has taken the following notes:

- *Most of the plant and bird species in Oahu, Hawaii, are non-native.*
- *In a 2019 study, researchers wanted to know what role non-native birds play in dispersing plant seeds in Oahu.*
- *Researchers catalogued plant seeds found in fecal samples from non-native birds.*
- *Psydrax odorata, a flowering shrub, was one of fifteen native species catalogued.*
- *Cestrum nocturnum, a nightshade, was one of twenty-nine non-native species catalogued.*
- *Researchers concluded that non-native birds play a vital role in dispersing the seeds of native and non-native plants.*

176

The student wants to emphasize the order in which the supercontinents were formed. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Most plant species found in Oahu, Hawaii, like *Cestrum nocturnum*, are nonnative.
- B) Though *Psydrax odorata* and *Cestrum nocturnum* can both be found in Oahu, Hawaii, only the former plant is native.
- C) A 2019 study catalogued plant seeds found in bird fecal samples in Oahu, Hawaii, to determine what role non-native birds play in seed dispersal.
- D) Seeds from *Psydrax odorata* and *Cestrum nocturnum* plants were found in the fecal samples of non-native Hawaiian birds, according to a 2019 study.

While researching a topic, a student has taken the following notes:

- *Tianguistengo is a municipality in the state of Hidalgo, Mexico.*
- *Tianguistengo is a municipality in the state of Hidalgo, Mexico. Municipalities are governmental regions responsible for providing many public services to their residents.*
- *One service they provide is traffic control.*
- *Tianguistengo covers an area of roughly 256 km<sup>2</sup>.*
- *Hidalgo is divided into 84 municipalities.*

177

The student wants to emphasize the size of Tianguistengo. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Tianguistengo is one of 84 governmental regions, known as municipalitles, acroSs Hidalgo.
- B) Providing traffic control is just one example of the public services that municipalities provide.
- C) Tianguistengo a governmental region in the state of Hidalgo, Mexico provides many public services to its residents.
- D) The municipality of Tianguistengo in Hidalgo, Mexico, covers an area of roughly 256 km<sup>2</sup>.



While researching a topic, a student has taken the following notes:

- *The South Sudan Workers Trade Union Federation (SSWTUF) is a national union federation for the African nation of South Sudan.*
- *It helps improve conditions for workers in that nation.*
- *ITUC-Africa is a regional union federation that represents national union federations across Africa.*
- *It represents the SSWTUF.*

178

Which choice most effectively uses information from the given sentences to explain the purpose of national union federations?

- A) The SSWTUF is one of the national union federations represented by ITUC-Africa.
- B) Regional union federations like ITUC-Africa represent the national union federations in a specific area.
- C) National union federations, such as the SSWTUF, work to improve conditions for workers in their member nations.
- D) The SSWTUF is a national union federation in Africa.

While researching a topic, a student has taken the following notes:

- *A soundscape refers to the sounds heard in a specific place.*
- *The Japanese Ministry of the Environment made a list of 100 soundscapes of Japan.*
- *Each soundscape on the list was selected for its cultural significance to Japan.*
- *The sound of black-tailed gulls at Hachinohe Port in Aomori Prefecture is on the list.*
- *Aomori Prefecture is on northern Honshu Island, Japan.*

179

The student wants to specify where a soundscape of cultural significance to Japan can be heard. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The sound of black-tailed gulls was included on a list of 100 soundscapes.
- B) The soundscape was selected by the Japanese Ministry of the Environment for its cultural significance to Japan.
- C) The soundscape included the sounds heard in a specific place.
- D) The sound of black-tailed gulls at Hachinohe Port can be heard in Aomori Prefecture on northern Honshu Island, Japan.

While researching a topic, a student has taken the following notes:

- *Dinosaur fossil specimens can be found at science museums all over the world.*
- *Many dinosaur fossil specimens are given nicknames.*
- *The Denver Museum of Nature and Science in Denver, Colorado, houses a dinosaur fossil specimen nicknamed Pops.*
- *Pops lived in the Late Cretaceous period, which ended more than 65 million years ago.*
- *It is a member of the genus Triceratops.*

180

The student wants to provide an example of a dinosaur fossil specimen's nickname. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Nicknames are given to many dinosaur fossil specimens, including one housed at a museum in Denver, Colorado.
- B) A Triceratops fossil specimen from the Late Cretaceous period, which ended more than 65 million years ago, is housed at the Denver Museum of Nature and Science.
- C) Dinosaur fossil specimens can be found at museums all over the world, and many of these specimens are given nicknames.
- D) Pops is the nickname of a Triceratops fossil specimen housed at the Denver Museum of Nature and Science in Denver, Colorado.

While researching a topic, a student has taken the following notes:

- *The ratio of the total mass of an element to the combined mass of all elements in a given environment is called the mass fraction.*
- *The mass fraction of chromium (Cr) on Earth is 4,700 parts per million (ppm).*
- *This indicates that the relative abundance of chromium on Earth is 0.47%.*
- *The ratio of the total number of atoms of an element to the total number of all atoms in a given environment is called the mole fraction.*
- *The mole fraction of chromium on Earth is 2,300,000 parts per billion (ppb).*
- *This indicates that the relative abundance of chromium on Earth is 0.23%.*

181

The student wants to provide an example of a dinosaur fossil specimen's nickname. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) On Earth, the mass fraction of chromium is 4,700 ppm, or 0.47%, and the mole fraction is 2,300,000 ppb, or 0.23%.
- B) While mass fraction is a measure of relative mass and mole fraction is a measure of relative atom count, both indicate the relative abundance of elements on Earth.
- C) Both mass and mole fraction express the relative abundance of chromium on Earth as a ratio of the total mass of chromium to the combined mass of all atoms.
- D) The mass fraction of chromium indicates its relative mass; in addition, the element's mole fraction indicates the relative number of chromium atoms.



While researching a topic, a student has taken the following notes:

- *Cinematographers work with cameras and lighting.*
- *They help translate film directors' ideas into visual images.*
- *Frida (2002) was directed by Julie Taymor.*
- *Rodrigo Prieto was the film's cinematographer.*

182

Which choice most effectively uses information from the given sentences to provide an example of a film Prieto worked on?

- A) Cinematographer Rodrigo Prieto worked with director Julie Taymor.
- B) The 2002 film *Frida* is one example of Rodrigo Prieto's work as a cinematographer.
- C) In filmmaking, directors work with others to translate their ideas into the visual images that we encounter on the screen.
- D) As cinematographer, Rodrigo Prieto works with cameras and lighting to translate the film director's ideas into visual images.

While researching a topic, a student has taken the following notes:

- *Merle Oberon (1911-1979) was an actress born in Mumbai (then known as Bombay), India.*
- *She was of Indian, Maori, and Irish heritage.*
- *She was the first Indian-born actress to be nominated for an Academy Award.*
- *Early in her career, she played many nameless, uncredited roles, such as her role in *Alf's Button* (1930).*
- *Later, she played many named, credited roles, such as *Marjorie Ismay* in *Forever and a Day* (1943).*

183

The student wants to make and support a generalization about Merle Oberon's early career. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) *Alf's Button* (1930) was released early in Merle Oberon's career, whereas *Forever and a Day* (1943) came out later.
- B) Merle Oberon wasn't even listed in the credits of some of her early films, such as *Alf's Button* (1930), where she played a nameless, uncredited role.
- C) *Alf's Button* and *Forever and a Day* are both films that include Merle Oberon, the first Indian-born actress to be nominated for an Academy Award.
- D) In *Alf's Button* (1930), actress Merle Oberon played a nameless, uncredited role.

While researching a topic, a student has taken the following notes:

- *India Arie is an African American singer and songwriter.*
- *The media outlet BBC Music has described her music as a "blend of hip hop, soul and folk [that is] as subtle as it [is] inspired."*
- *Her acclaimed albums feature many talented musicians.*
- *Judeth Insel played viola on her first studio album, Acoustic Soul (2001).*
- *David Davidson played violin on her second studio album, Voyage to India (2002).*

184

The student wants to emphasize a similarity between Judeth Insel and David Davidson. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Judeth Insel played on India Arie's first studio album, Acoustic Soul, which was released one year before her album Voyage to India.
- B) Acoustic Soul and Voyage to India, released in 2001 and 2002, respectively, are albums by singer and songwriter India Arie.
- C) Although both musicians have played on India Arie albums, Judeth Insel played viola, whereas David Davidson played violin.
- D) Judeth Insel and David Davidson both lent their musical talents to albums by India Arie in the early 2000s.

While researching a topic, a student has taken the following notes:

- *Historian Isabel Wilkerson's book The Warmth of Other Suns is about the Great Migration.*
- *The Great Migration was a period in twentieth-century US history when over six million African Americans moved from the rural South to cities such as Detroit, Michigan.*
- *To document this period, Wilkerson narrates the personal journeys of George Swanson Starling and Robert Pershing Foster, among others.*
- *The book won the Mark Lynton History Prize in 2011.*
- *It also won the National Book Critics Circle Award in 2011.*

185

Which choice most effectively uses information from the given sentences to emphasize how Wilkerson documents the Great Migration?

- A) Detroit, Michigan, is one of the cities whose African American populations grew during the Great Migration.
- B) Isabel Wilkerson chronicles the complex history of the Great Migration in such riveting, personal detail by narrating the journeys of individuals, such as George Swanson Starling and Robert Pershing Foster.
- C) In 2011, Isabel Wilkerson's book *The Warmth of Other Suns* won not only the Mark Lynton History Prize but also the National Book Critics Circle Award.
- D) The personal journey of George Swanson Starling is featured in the award winning book *The Warmth of Other Suns*.

While researching a topic, a student has taken the following notes:

- *Usually, a country's capital is also its largest city by population.*
- *The capital of the Philippines is Manila.*
- *Its largest city by population is Quezon City.*
- *The capital of Liechtenstein is Vaduz.*
- *Its largest city by population is Schaan.*

186

The student wants to emphasize a similarity between the two countries. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In both the Philippines and Liechtenstein, the capital is not the country's most populous city.
- B) While the most populous city in the Philippines is Quezon City, the most populous city in Liechtenstein is Schaan.
- C) The most populous city in the Philippines is Quezon City, but the country's capital is Manila.
- D) The capital of the Philippines is Manila; the capital of Liechtenstein is Vaduz.

While researching a topic, a student has taken the following notes:

- *Bread is a 1968 black-and-white linocut print by Black American artist Elizabeth Catlett.*
- *It features a young girl eating a slice of bread.*
- *Relief printing is a technique in which an image is first carved onto a printing block made of wood, rubber, or other materials.*
- *The block is then painted and stamped on to a print surface.*
- *Lino cutting is a type of relief printing that uses linoleum tile as the printing block.*

187

The student wants to emphasize a similarity between the two countries. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Relief printing is a technique that can use wood, rubber, and other materials as the printing block, not just linoleum tile.
- B) Catlett used a relief printing technique called lino cutting, carving an image onto linoleum tile.
- C) Catlett used relief printing to create the 1968 linocut Bread.
- D) In relief printing, an image is carved on to a printing block, which is then painted and pressed onto a print surface.

While researching a topic, a student has taken the following notes:

- *Digital Light Synthesis (DLS) is a form of additive manufacturing that utilizes light to rapidly cure liquid resin into high-quality, 3D objects.*
- *Step 1: Ultraviolet (UV) light images are projected up into a pool of liquid resin. where the object's first layer takes shape.*
- *Step 2: The partially cured resin object is raised, leaving a thin space (a "dead zone") beneath it for oxygen and liquid resin to flow through.*
- *Step 3: The UV light passes through the dead zone and partially cures additional layers of the object -maintaining the flow of resin-and partially cures additional layers of the object.*
- *Step 4: When the resin object is complete, it is baked in an oven to complete the curing.*

188

The student wants to describe how DLS cures 3D objects. Which choice most effectively uses relevant Information from the notes to accomplish this goal?

- A) DLS cures 3D objects by passing through a "dead zone," adding layers to the object, then curing the object in an oven.
- B) In DLS, UV light is projected into layers of liquid resin until the resin solidifies and passes through a "dead zone," wherein the curing is completed.
- C) In DLS, UV light Images are projected into a liquid resin pool to cure a 3D object layer by layer: once solidified, the object is baked in an oven.
- D) DLS is a form of additive manufacturing that creates a "dead zone" in which UV light solidifies layer by layer before being baked in an oven, creating a highquality, 3D object.

While researching a topic, a student has taken the following notes:

- *Most of the plant and bird species in Oahu, Hawaii, are non-native.*
- *It ranks No. 14 among the longest rivers in the world.*
- *It is 4,200 kilometers long.*
- *The Indus River is the ninth longest river in Asia*
- *It ranks No. 19 among the longest rivers in the world.*
- *It is 3,610 kilometers long.*

189

The student wants to emphasize a difference between the two plants. Which choice most effectively uses relevant Information from the notes to accomplish this goal?

- A) Most plant species found in Oahu, Hawaii, like *Psidium cattleianum*, are non native.
- B) Though *Pipturus albidus* and *Psidium cattleianum* can both be found in Oahu, Hawaii, only the former plant is native.
- C) A 2019 study catalogued plant seeds found in bird fecal samples in Oahu, Hawaii, to determine what role non-native birds play in seed dispersal.
- D) Seeds from *Pipturus albidus* and *Psidium cattleianum* plants were found in the fecal samples of non-native Hawaiian birds, according to a 2019 study.



While researching a topic, a student has taken the following notes:

- *Generally, an object will heat up when twisted.*
- *The twisting of an object is known as torsion.*
- *A 2019 study led by Zunfeng Liu and Ray Baughman tested the torsional heating of various fibers.*
- *When a sample of ethylene propylene diene monomer (EPDM) rubber fiber was twisted, its average surface temperature increased by 12°C.*
- *When a sample of natural rubber fiber was twisted, its average surface temperature increased by 15.3°C.*

190

The student wants to emphasize a similarity between EPDM rubber and natural rubber fibers. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In 2019, two research teams observed the effects of torsional heating on various fibers, including EPDM rubber and natural rubber.
- B) Twisting an object will generally cause its temperature to increase, a process known as torsional heating.
- C) Researchers determined that when the fibers were twisted, the average surface temperature of natural rubber increased more than that of EPDM rubber.
- D) Both EPDM rubber and natural rubber fibers heat up when twisted, according to a 2019 study.

While researching a topic, a student has taken the following notes:

- *India Arie is an African American singer and songwriter.*
- *The media outlet NPR has described her music as having an "acoustic guitar-driven groove and lyrics celebrating self-confidence."*
- *Her acclaimed albums feature many talented musicians.*
- *Ricky Quiñones played guitar on her second studio album, Voyage to India (2002).*
- *John Catchings played cello on her first studio album, AcousticSoul (2001).*

191

The student wants to emphasize a difference between Ricky Quiñones and John Catchings. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Ricky Quiñones and John Catchings have both lent their musical talents to albums by India Arie.
- B) Both musicians have played on India Arie albums, but Ricky Quiñones played guitar, whereas John Catchings played cello.
- C) Ricky Quiñones played on India Arie's second studio album, Voyage to India, which was released one year after her album Acoustic Soul.
- D) Acoustic Soul and Voyage to India, released in 2001 and 2002, respectively, are albums by singer and songwriter India Arie.

While researching a topic, a student has taken the following notes:

- *An isthmus is a strip of land that connects two larger pieces of land across an expanse of water.*
- *It is also known as a land bridge.*
- *The Isthmus of Suez is located in North Africa.*
- *It connects the Mediterranean Sea to the Red Sea.*
- *The Auckland Isthmus is located in New Zealand.*
- *It connects the North Island to Auckland.*

192

The student wants to emphasize a similarity between the Isthmus of Suez and the Auckland Isthmus. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) An isthmus, or land bridge, is a strip of land that connects two larger pieces of land across an expanse of water.
- B) The Auckland Isthmus connects the North Island to Auckland.
- C) The Isthmus of Suez and the Auckland Isthmus both connect two larger pieces of land across an expanse of water.
- D) The Isthmus of Suez is a land bridge, located in North Africa.

While researching a topic, a student has taken the following notes:

- *Body positions are an important part of dance.*
- *In Cecchetti method ballet, there is a position called third position.*
- *It is one of several positions for the dancer's arms.*

193

The student wants to provide an example of a position in Cecchetti method ballet. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In dance, some positions are for the dancer's arms.
- B) Cecchetti method ballet includes several dance positions for the dancer's arms.
- C) Third position is an example of a position in Cecchetti method ballet.
- D) Body positions are an important part of dance, including Cecchetti method ballet.



While researching a topic, a student has taken the following notes:

- *Receptors in the human tongue can detect sweetness, saltiness, sourness, bitterness, and umami.*
- *Umami is a rich, savory flavor.*
- *Umami is triggered by the compounds in a variety of foods, including ham and mushrooms.*
- *Participants in a research study tasted samples of ma-konbu (a type of brown seaweed) collected from Hokkaido, Japan.*
- *On average, they rated its umami intensity as high.*

194

The student wants to emphasize the umami intensity of ma-konbu. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Umami is a rich, savory flavor triggered by compounds in foods such as ham and mushrooms.
- B) Samples of ma-konbu, a brown seaweed, have been collected in Hokkaido, Japan.
- C) Umami is triggered by compounds in ma-konbu, ham, and mushrooms.
- D) Participants in a research study found the umami intensity of ma-konbu, a brown seaweed, to be high.

While researching a topic, a student has taken the following notes:

- *A U-shaped curve in a river channel is called a meander.*
- *A meander forms when water erodes sediment from one side of the riverbank and redeposits that sediment on the opposite side.*
- *Meanders will gradually change shape and migrate downstream over time.*
- *A river with high sinuosity has many meanders, and a river with low sinuosity has few.*
- *The Willapa River in the United States has high sinuosity.*

195

The student wants to identify what causes meanders. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) The erosion and redepositing of sediment from one side of a riverbank to the other forms meanders, or curves, over time.
- B) High sinuosity is caused by the formation of many meanders, or curves, in a riverbank over time.
- C) Over time, many meanders have formed in the Willapa River, a river in the United States with high sinuosity.
- D) The meanders in the Willapa River will change shape and shift downstream over time.

While researching a topic, a student has taken the following notes:

- *Modern Pueblo tribal nations were preceded by the Ancestral Puebloan civilization, which occupied parts of the southwestern US until approximately 1600 CE.*
- *Keet Seel in northeastern Arizona is a former Ancestral Puebloan settlement inhabited from approximately 1250-1300 CE.*
- *It was constructed in a natural cliff alcove and had multistory adobe and stone buildings.*
- *These buildings had cube-shaped, contiguous rooms that surrounded kivas.*
- *Kivas are round rooms typically used for ceremonial purposes and as gathering spaces.*

196

The student wants to provide a detailed overview of the structures at Keet Seel. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Located in northeastern Arizona, Keet Seel was designed with kivas, round rooms that were typically used for ceremonial purposes and as gathering spaces.
- B) Keet Seel, whose structures were built by Ancestral Puebloans in northeastern Arizona, was inhabited from approximately 1250-1300 CE.
- C) Constructed in a natural cliff alcove, Keet Seel's multistory adobe and stone buildings featured round rooms called kivas surrounded by cube-shaped, contiguous rooms.
- D) The Ancestral Puebloans used adobe and stone in the construction of Keet Seel in northeastern Arizona.

While researching a topic, a student has taken the following notes:

- *Claude McKay (1890-1948) was a Jamaican American poet.*
- *McKay also worked as a novelist and journalist.*
- *"Labor's Day" is a poem by McKay.*
- *It was published in the September 1919 issue of The Messenger.*
- *The Messenger was an influential Black literary magazine.*

197

The student wants to provide an example of a poem by McKay. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) McKay was a Jamaican American poet, novelist, and journalist.
- B) One example of a poem by McKay is "Labor's Day" (1919).
- C) McKay published poetry in a literary magazine called The Messenger.
- D) The Messenger was an influential Black literary magazine that published poetry.

While researching a topic, a student has taken the following notes:

- *Brussels sprouts are vegetables that contain ascorbic acid, an essential nutrient for humans.*
- *Cranberries are fruits that contain ascorbic acid.*
- *There is 80 milligrams (mg) of ascorbic acid per every 100 grams (g) of brussels sprouts.*
- *There is 13 mg of ascorbic acid per every 100 g of cranberries.*
- *Humans cannot make ascorbic acid in their bodies, so they must get it from foods, including fruits and vegetables.*
- *Ascorbic acid is also known as vitamin C.*

198

The student wants to refute a claim that cranberries are a better source of vitamin C than brussels sprouts are. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Brussels sprouts contain ascorbic acid (also known as vitamin C), and cranberries do too.
- B) Brussels sprouts contain vitamin C (also known as ascorbic acid); in fact, there is 80 mg of vitamin C in every 100 g of brussels sprouts.
- C) With 80 mg of vitamin C per every 100 g, brussels sprouts are actually a better source of vitamin C than cranberries, which contain only 13 mg per every 100 g.
- D) Humans cannot make ascorbic acid in their bodies, but they can get it from brussels sprouts and cranberries.

While researching a topic, a student has taken the following notes:

- *Kale is a vegetable that contains ascorbic acid, an essential nutrient for humans.*
- *Apricots are fruits that contain ascorbic acid.*
- *There is 120 milligrams (mg) of ascorbic acid per every 100 grams (g) of kale.*
- *There is 10 mg of ascorbic acid per every 100 g of apricot.*
- *Humans cannot make ascorbic acid in their bodies, so they must get it from foods, including fruits and vegetables.*
- *Ascorbic acid is also known as vitamin C.*

199

The student wants to refute a claim that apricots are a better source of vitamin C than kale is. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Kale contains vitamin C (also known as ascorbic acid); in fact, there is 120 mg of vitamin C in every 100 g of kale.
- B) Kale contains ascorbic acid (also known as vitamin C), and apricots do too.
- C) Humans cannot make ascorbic acid in their bodies, but they can get it from kale and apricots.
- D) With 120 mg of vitamin C per every 100 g, kale is actually a better source of vitamin C than apricots, which contain only 10 mg per every 100 g.

While researching a topic, a student has taken the following notes:

- *Snow hydrologist Julie Koeberle helps maintain automated snow measurement stations.*
- *They are called SNOTEL sites.*
- *There are around 90 stations throughout Wyoming.*
- *One is at Bear Trap Meadow.*
- *The data collected can help researchers make downstream water supply predictions.*

200

Which choice most effectively uses information from the given sentences to provide an example of a SNOTEL site?

- A) The data collected by SNOTEL sites can help researchers predict downstream water supplies.
- B) The SNOTEL site at Bear Trap Meadow is one of around 90 automated snow measurement stations in Wyoming.
- C) Snow hydrologist Julie Koeberle helps maintain automated snow monitoring stations known as SNOTEL sites.
- D) Located throughout Wyoming, SNOTEL sites monitor snow conditions.

While researching a topic, a student has taken the following notes:

- *The nautical mile (6,076 feet) is the measure of distance used in seafaring navigation.*
- *A nautical mile directly correlates to one minute (1/60th of a degree) of latitude.*
- *The curvature of Earth affects the accurate measurement of long distances when using flat maps.*
- *Measuring distances with latitude and longitude coordinates takes into account Earth's curvature.*
- *Mariners use nautical charts marked with latitude and longitude to quickly calculate distances and positions.*

201

The student wants to explain why nautical miles are used to measure distances in seafaring navigation. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Nautical miles are a measure of distance equal to one minute of latitude, which is a feature nautical charts use to calculate distances and positions.
- B) Nautical charts use latitude and longitude to measure long distances; these charts are more accurate than flat maps for measuring distances in seafaring navigation because they account for Earth's curvature.
- C) Since they directly correlate to the coordinates on nautical charts, which take into account Earth's curvature, nautical miles are an efficient way to calculate distances at sea.
- D) Using nautical miles for navigation at sea takes Earth's curvature into account, whereas measuring distances with latitude and longitude coordinates does not.



While researching a topic, a student has taken the following notes:

- *India Arie is an African American singer and songwriter.*
- *The media outlet BBC Music has described her music as a "blend of hip hop, soul and folk [that is] as subtle as it [is] inspired."*
- *Her acclaimed albums feature many talented musicians.*
- *Judeth Insel played viola on her first studio album, Acoustic Soul (2001).*
- *Ricky Quiñones played guitar on her second studio album, Voyage to India (2002).*

202

The student wants to emphasize a difference between Judeth Insel and Ricky Quiñones. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Judeth Insel played on India Arie's first studio album, Acoustic Soul, which was released one year before her album Voyage to India.
- B) Both musicians have played on India Arie albums, but Judeth Insel played viola, whereas Ricky Quiñones played guitar.
- C) Acoustic Soul and Voyage to India, released in 2001 and 2002, respectively, are albums by singer and songwriter India Arie.
- D) Judeth Insel and Ricky Quiñones have both lent their musical talents to albums by India Arie.

While researching a topic, a student has taken the following notes:

- *A supercontinent is a single landmass made up of most or all of Earth's continents.*
- *Over time, continents merge together to form supercontinents, which then break apart.*
- *This process is believed to take hundreds of millions of years and is known as the supercontinent cycle.*
- *Vaalbara was a supercontinent that formed about 3.6 billion years ago.*
- *Euramerica was a supercontinent that formed about 300 million years ago.*

203

The student wants to emphasize the order in which the supercontinents were formed. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Vaalbara and Euramerica were both supercontinents, single landmasses made up of most or all of Earth's continents.
- B) The supercontinent Euramerica formed long after the supercontinent Vaalbara.
- C) Forming and breaking apart over hundreds of millions of years, supercontinents are made up of most or all of Earth's continents.
- D) Vaalbara formed about 3.6 billion years ago but eventually broke apart.



While researching a topic, a student has taken the following notes:

- *Grimanesa Amoros is a Peruvian American artist well known for her LED light sculptures.*
- *Uros Island (2011) is from her Uros series of works.*
- *It is made of smooth multicolored LED domes.*
- *Golden Connection (2013) is from her Huanchaco series of works.*
- *It is made of entangled blue and white LED tubes.*

204

The student wants to emphasize a difference between Uros Island and Golden Connection. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Grimanesa Amoros often employs LED lights in her work, but the smooth LED domes of Uros Island stand in contrast to the tangled LED tubes of Golden Connection.
- B) Uros Island and Golden Connection are two LED light sculptures by well-known artist Grimanesa Amoros.
- C) In 2011, Grimanesa Amoros debuted Uros Island, a part of her Uros series.
- D) Many of Grimanesa Amoros's sculptures, like Uros Island and Golden Connection, incorporate LED lights in the form of domes or tubes.

While researching a topic, a student has taken the following notes:

- *Refrigerants are chemical compounds used in cooling technologies, such as air conditioners.*
- *Air conditioners can use refrigerants to absorb heat and release cold air*
- *The refrigerant dichloromethane is a hydrochlorocarbon (HCC).*
- *HCCs are composed of the elements hydrogen, chlorine, and carbon.*
- *The refrigerant tetradecafluorohexane is a perfluorocarbon (PFC).*
- *TPFCs are composed of fluorine and carbon.*

205

The student wants to contrast dichloromethane and tetradecafluorohexane. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) Dichloromethane, a hydrochlorocarbon, is composed of hydrogen, chlorine, and carbon; tetradecafluorohexane, a perfluorocarbon, is composed of fluorine and carbon.
- B) Dichloromethane and tetradecafluorohexane are chemical compounds used in cooling technologies; the compounds are known as refrigerants.
- C) The hydrochlorocarbon dichloromethane and the perfluorocarbon tetradecafluorohexane are both refrigerants that can be used in cooling technologies like air conditioners.
- D) Tetradecafluorohexane, a refrigerant, can be used in cooling technologies to absorb heat and release cold air.

While researching a topic, a student has taken the following notes:

- *The A.M. Turing Award is a prestigious award given by the Association for Computing Machinery (ACM).*
- *The ACM gives the award for "major contributions of lasting importance to computing."*
- *is named after groundbreaking British mathematician Alan Turing.*
- *Raj Reddy won the award in 1994 for pioneering the development of large-scale artificial intelligence systems.*

206

The student wants to explain whom the award is named for. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A) In 1994, Raj Reddy won the A.M. Turing Award for pioneering the development of large-scale artificial intelligence systems.
- B) The A.M. Turing Award is given for "major contributions of lasting importance to computing."
- C) The A.M. Turing Award is named for groundbreaking British mathematician Alan Turing.
- D) It was in 1994 that Raj Reddy won the A.M. Turing Award.

## Answers: Rhetorical Synthesis

Number	Answer	Number	Answer
1	C	2	B
3	B	4	A
5	A	6	C
7	B	8	D
9	B	10	C
11	C	12	B
13	D	14	C
15	C	16	A
17	B	18	D
19	B	20	A
21	B	22	D
23	B	24	D
25	D	26	A
27	A	28	A
29	C	30	D
31	D	32	A
33	B	34	B
35	A	36	A
37	A	38	B
39	A	40	D
41	D	42	A

Number	Answer	Number	Answer
43	D	44	D
45	C	46	B
47	C	48	C
49	A	50	D
51	D	52	D
53	A	54	A
55	B	56	C
57	D	58	C
59	A	60	C
61	D	62	D
63	D	64	B
65	B	66	D
67	C	68	C
69	B	70	D
71	A	72	A
73	D	74	A
75	C	76	B
77	B	78	C
79	B	80	B
81	B	82	A
83	C	84	B
85	B	86	A

Number	Answer	Number	Answer
87	A	88	B
89	D	90	D
91	C	92	A
93	A	94	C
95	B	96	D
97	A	98	A
99	C	100	A
101	D	102	D
103	D	104	C
105	C	106	D
107	A	108	D
109	B	110	C
111	B	112	B
113	B	114	A
115	D	116	D
117	C	118	B
119	A	120	C
121	B	122	D
123	C	124	B
125	A	126	A
127	B	128	A
129	C	130	C

Number	Answer	Number	Answer
131	B	132	C
133	C	134	B
135	B	136	B
137	A	138	D
139	B	140	C
141	C	142	C
143	A	144	D
145	A	146	B
147	D	148	B
149	A	150	A
151	C	152	C
153	D	154	A
155	B	156	C
157	A	158	C
159	C	160	C
161	A	162	B
163	B	164	A
165	C	166	D
167	B	168	D
169	B	170	A
171	C	172	A
173	D	174	B



Number	Answer	Number	Answer
175	C	176	B
177	D	178	C
179	D	180	D
181	B	182	B
183	B	184	D
185	B	186	A
187	D	188	D
189	B	190	D
191	B	192	C
193	C	194	D
195	A	196	C
197	B	198	C
199	D	200	B
201	C	202	B
203	B	204	A
205	A	206	C

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*\*This book is the **SECOND EDITION**. New questions and new ideas are yet to come! Stay tuned!*



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*— The Research and Development  
Department of @satashkent*