

The article, published by *Forbes* magazine, explained that coworking spaces are designated locations that, for a fee, individuals can use to conduct their work. The spaces are usually stocked with standard office **26** equipment, such as photocopiers, printers, and fax machines. **27** In these locations, however, the spaces often include small meeting areas and larger rooms for hosting presentations.

28 The cost of launching a new coworking business in the United States is estimated to be approximately \$58,000.

The share of library materials that is in nonprint formats **4** is increasing steadily; in 2010, at least 18.5 million e-books were available **5** for them to circulate. As a result, librarians must now be proficient curators of electronic information, compiling, **6** catalog, and updating these collections. But perhaps even more importantly, librarians function as first responders for their communities' computer needs. Since

Viewing the exhibit, I was amazed by the intricate details of some of the more ornately decorated rooms. I marveled at a replica of a salon (a formal living room) dating back to the reign of French king Louis XV. **15** Built into the dark paneled walls are bookshelves stocked with leather-bound volumes. The couch and chairs, in keeping with the style of the time, are characterized by elegantly curved arms and **16** legs, they are covered in luxurious velvet. A dime-sized portrait of a French aristocratic woman hangs in a golden frame.

[1] What was less well-known, until recently at least, was how this relationship among sea otters, sea urchins, and kelp forests might help fight global warming. [2] The amount of carbon dioxide in the atmosphere has increased 40 percent **26**. [3] A recent study by two professors at the University of California, Santa Cruz, Chris Wilmers and James Estes, **27** suggests, that kelp forests protected by sea otters can absorb as much as twelve times the amount of carbon dioxide from the atmosphere as those where sea urchins are allowed to

28

The writer is considering deleting the underlined sentence. Should the sentence be kept or deleted?

- A) Kept, because it provides a detail that supports the main topic of the paragraph.
- B) Kept, because it sets up the main topic of the paragraph that follows.
- C) Deleted, because it blurs the paragraph's main focus with a loosely related detail.
- D) Deleted, because it repeats information that has been provided in an earlier paragraph.

4

At this point, the writer is considering adding the following information.

—e-books, audio and video materials, and online journals—

Should the writer make this addition here?

- A) Yes, because it provides specific examples of the materials discussed in the sentence.
- B) Yes, because it illustrates the reason for the increase mentioned later in the sentence.
- C) No, because it interrupts the flow of the sentence by supplying irrelevant information.
- D) No, because it weakens the focus of the passage by discussing a subject other than librarians.

15

At this point, the writer is considering adding the following sentence.

Some scholars argue that the excesses of King Louis XV's reign contributed significantly to the conditions that resulted in the French Revolution.

Should the writer make this addition here?

- A) Yes, because it provides historical context for the Thorne Miniature Rooms exhibit.
- B) Yes, because it explains why salons are often ornately decorated.
- C) No, because it interrupts the paragraph's description of the miniature salon.
- D) No, because it implies that the interior designer of the salon had political motivations.

26

At this point, the writer is considering adding the following information.

since the start of the Industrial Revolution, resulting in a rise in global temperatures

Should the writer make this addition here?

- A) Yes, because it establishes the relationship between the level of carbon dioxide in the atmosphere and global warming.
- B) Yes, because it explains the key role sea otters, sea urchins, and kelp forests play in combating global warming.
- C) No, because it contradicts the claim made in the previous paragraph that sea otters help keep kelp forests healthy.
- D) No, because it mentions the Industrial Revolution, blurring the focus of the paragraph.

Though only about 3 percent of the Netherlands' municipal waste ends up in landfills, Repair Cafés still raise awareness about what may otherwise be mindless acts of waste by providing a venue for people to share and learn valuable skills that are in danger of being lost. **43** It is easy to classify old but fixable items as "junk" in an era that places great emphasis on the next big thing. In helping people consider how the goods they use on a daily basis work and are made, Repair Cafés restore a sense of relationship between human beings and material goods.

For one thing, lack of exposure to natural light has a significant impact on employees' health. A study conducted in 2013 by Northwestern University in Chicago showed that inadequate natural light could result in eye strain, headaches, and fatigue, as well as interference with the body's circadian rhythms. **3** Circadian rhythms, which are controlled by the **4** bodies biological clocks, influence body temperature, hormone release, cycles of sleep and wakefulness, and other bodily functions. Disruptions of circadian rhythms

which, in turn, **5** is costly for employers. Employees who feel less than 100 percent and are sleep deprived are also less prone to work at their maximal productivity. One company in California **6** gained a huge boost in its employees' morale when it moved from an artificially lit distribution facility to one with natural illumination.

steady and lucrative position for women. Living independently and demonstrating an intense work **21** ethic; the Harvey Girls became known as a transformative force in the American **22** West. Advancing the roles of women in the restaurant industry and the American workforce as a whole, the Harvey Girls raised the standards for restaurants and blazed a trail in the fast-changing landscape of the western territories.

At this point, the writer is considering adding the following sentence.

As the number of corporate and service-based jobs has increased, the need for people who work with their hands has diminished.

Should the writer make this addition here?

- A) Yes, because it provides an example of specific repair skills being lost.
- B) Yes, because it elaborates on the statistic about the Netherlands' municipal waste.
- C) No, because it blurs the paragraph's focus by introducing a topic that is not further explained.
- D) No, because it contradicts the claims made in the rest of the paragraph.

At this point, the writer is considering adding the following sentence.

Workers in offices with windows sleep an average of 46 minutes more per night than workers in offices without windows.

Should the writer make this addition here?

- A) Yes, because it supplies quantitative data that will be examined in the rest of the paragraph.
- B) Yes, because it explains the nature of the bodily functions referred to in the next sentence.
- C) No, because it interrupts the discussion of circadian rhythms.
- D) No, because it does not take into account whether workers were exposed to sunlight outside the office.

Which choice best supports the statement made in the previous sentence?

- A) NO CHANGE
- B) saw a 5 percent increase in productivity
- C) saved a great deal on its operational costs
- D) invested large amounts of time and capital

The writer is considering revising the underlined portion of the sentence to read:

West, inspiring books, documentaries, and even a musical.

Should the writer add this information here?

- A) Yes, because it provides examples of the Harvey Girls' influence.
- B) Yes, because it serves as a transitional point in the paragraph.
- C) No, because it should be placed earlier in the passage.
- D) No, because it contradicts the main claim of the passage.

aristocratic tilt of feline ears as well as a stately sweep of tail emerging from the stiff scarlet and gold of royal court dress. The wise, thoughtful green eyes of the subject of *The Hermitage Court Outrunner Cat* mimic those of a trusted royal advisor. **43** Some may find it peculiar to observe cats portrayed in formal court poses, but these felines, by **44** mastering the art of killing mice and rats, are benefactors of the museum as important as any human.

Fortunately, a new group of artists has discovered the murals, and efforts are underway to clean, restore, and repaint them. Once again, Siqueiros's "América Tropical" is **10** leading the way. After a lengthy and complex restoration process, this powerful work is now a tourist attraction, complete with a visitor center and a rooftop viewing platform. **11** Advocates hope that Siqueiros's mural will once more serve as an inspiration, this time inspiring viewers to save and restore an important cultural and artistic legacy.

assertion is not supported by scientific research. **17** For instance, one review published in *The American Journal of Clinical Nutrition* provided analysis of the results of comparative studies conducted over a span of 50 years; researchers consistently found no evidence that organic crops are more nutritious than conventionally grown ones in terms of their vitamin and mineral content. **18** Similarly, Stanford University researchers who examined almost 250 studies comparing the nutritional content of different kinds of organic foods with that of their nonorganic counterparts found very little difference between the two.

Conceptualizing a game is only the beginning of a video game designer's **36** job, however, no matter how good a concept is, it will never be translated into a video game unless it is communicated effectively to all the other members of the video game development team. **37** A designer must generate extensive documentation and

43

At this point, the writer is considering adding the following sentence.

The museum occupies six historic buildings, including the Winter Palace, a former residence of Russian emperors.

Should the writer make this addition here?

- A) Yes, because it shows the link between Peter the Great and the cat paintings.
- B) Yes, because it helps explain why Russian art celebrates animals.
- C) No, because it fails to indicate why the Winter Palace became an art museum.
- D) No, because it provides background information that is irrelevant to the paragraph.

11

At this point, the writer is considering adding the following sentence.

When it was painted in 1932, Siqueiros's mural was considered offensive, but now it is acclaimed.

Should the writer make this addition here?

- A) Yes, because it provides historical context for the changes discussed in the passage.
- B) Yes, because it provides a useful reminder of how people once viewed Siqueiros's work.
- C) No, because it unnecessarily repeats information from earlier in the passage.
- D) No, because it makes a claim about Siqueiros's work that is not supported by the passage.

18

At this point, the writer is considering adding the following sentence.

The United States Department of Agriculture (USDA) reports that organic agricultural products are now available in approximately 20,000 markets specializing in natural foods.

Should the writer make this addition here?

- A) Yes, because it adds a relevant research finding from a government agency.
- B) Yes, because it supports the passage's argument that organic food is less nutritious than conventionally grown food.
- C) No, because it is not relevant to the paragraph's discussion of scientific evidence.
- D) No, because it introduces a term that has not been defined in the passage.

37

At this point, the writer is considering adding the following sentence.

Successful communication is essential if a designer's idea is to become a reality.

Should the writer make this addition here?

- A) Yes, because it supports the conclusion drawn in the following sentence.
- B) Yes, because it illustrates a general principle discussed in the paragraph.
- C) No, because it distracts from the focus of the paragraph by introducing irrelevant material.
- D) No, because it merely reformulates the thought expressed in the preceding sentence.

Prehistoric Printing

Paleontologists are using modern technology to gain a greater understanding of the distant past. With the aid of computed tomography (CT) scanning and 3-D printing, researchers are able to create accurate models of prehistoric fossils. **1** These models have expanded

CT scanners use X-rays to map the surface of a fossil in minute detail, recording as many as one million data points to create a digital blueprint. A 3-D printer then builds a polymer model based on this blueprint, much as a regular computer printer reproduces digital documents on paper. **3** Whereas the head of an ordinary computer printer moves back and forth while printing ink onto paper, the corresponding part of a 3-D printer moves in multiple dimensions while squirting out thin layers of melted polymer plastic. The plastic hardens quickly,

While worrisome, the decline of traditional print media **40** could not entail the end of investigative journalism. **41** Although many newsrooms have reduced their staff, some still employ investigative reporters. Nonprofit **42** enterprises such as the

conversation about key issues. The Help Me Investigate project, **43** for example, solicited readers to submit tips and information related to ongoing stories to its website. Far from marking the end of investigative journalism, **44** cooperation among journalists and ordinary citizens has been facilitated by the advent of the digital age through an increase in the number of potential investigators.

1

At this point, the writer is considering adding the following sentence.

Fossils provide paleontologists with a convenient way of estimating the age of the rock in which the fossils are found.

Should the writer make this addition here?

- A) Yes, because it supports the paragraph's argument with an important detail.
- B) Yes, because it provides a logical transition from the preceding sentence.
- C) No, because it is not directly related to the main point of the paragraph.
- D) No, because it undermines the main claim of the paragraph.

3

The writer is considering deleting the underlined sentence. Should the sentence be kept or deleted?

- A) Kept, because it helps explain why X-rays are used in CT scanners.
- B) Kept, because it provides details to illustrate how a 3-D printer works.
- C) Deleted, because it contradicts the passage's information about digital blueprints.
- D) Deleted, because it creates confusion about how researchers gather data.

41

Which choice most effectively sets up the examples in the following sentences?

- A) NO CHANGE
- B) Investigative journalism also declined between the 1930s and 1950s, only to be revived in the 1960s.
- C) According to the Pew Research Center, more people get their national and international news from the Internet than from newspapers.
- D) Indeed, recent years have witnessed innovative adjustments to changing times.

44

- A) NO CHANGE
- B) the number of potential investigators has increased since the advent of the digital age owing to the facilitation of cooperation among journalists and ordinary citizens.
- C) the advent of the digital age has increased the number of potential investigators by facilitating cooperation among journalists and ordinary citizens.
- D) by facilitating cooperation among journalists and ordinary citizens the advent of the digital age has increased the number of potential investigators.

The committee was charged with saving the tower without ruining its aesthetic, **18** which no one had yet managed to achieve. The committee's first attempt to reduce the angle of the tower's tilt—placing 600 tons of iron ingots (molded pieces of metal) on the tower's north side to create a counterweight—was derided because the bulky weights ruined the tower's appearance. The attempt at a less visible solution—sinking anchors into the ground below the tower—almost caused the tower to fall.

Tyson's expansive vision for the agency hints at another mission of NASA's, illuminated in this observation by Apollo 14 astronaut Edgar Mitchell: "You develop an instant global consciousness, a people orientation, an intense dissatisfaction with the state of the world, and a compulsion to do something about it."

10 With world population topping seven billion, humanity is in need of some perspective. **11** Therefore, we should continue to support NASA not only for practical reasons but also because it is a necessary vehicle for increasing our awareness of how we can fulfill our responsibilities to the planet and each other.

a science fiction novel by H. G. Wells. The next day, a front-page **34** headline in the *New York Times* declared, "Radio Listeners in Panic, Taking War Drama as Fact." **35** The *Times* article claimed that people had fled their homes and that police stations had been swamped with calls. This version of events persisted, and the legend

[1] While there are many regional variations of the lion dance costume, all make extensive use of symbols and colors. [2] The lion's head is often adorned with a phoenix **18** (a mythical bird) or a tortoise (for longevity). [3] Green lions encourage friendliness.

18

Which choice best supports the main point of the paragraph?

- A) NO CHANGE
- B) although not everyone on the committee agreed completely about what that aesthetic was.
- C) which meant somehow preserving the tower's tilt while preventing that tilt from increasing and toppling the tower.
- D) which included the pristine white marble finish that has come to be widely associated with the tower's beauty.

10

At this point, the writer is considering adding the following sentence.

In addition, NASA has facilities in Washington, DC, Florida, Texas, California, and other states.

Should the writer make this addition here?

- A) Yes, because it serves as a counterargument to the quotation from astrophysicist Neil deGrasse Tyson.
- B) Yes, because it reinforces the passage's point about the importance of NASA's work.
- C) No, because it undermines the passage's claim about the economic benefits of NASA's work.
- D) No, because it blurs the paragraph's focus by introducing information that does not support the paragraph's claim about the importance of NASA's work.

35

The writer wants to add a supporting detail to indicate that the story was widely reported. Which choice best accomplishes this goal?

- A) NO CHANGE
- B) Other newspapers also ran stories claiming that the broadcast had incited mass hysteria.
- C) In 2013, many newspapers and magazines featured articles about the seventy-fifth anniversary of the broadcast.
- D) The *Times* was then and is now one of the United States' most popular news sources.

18

Which choice provides information that is most consistent in style and content with the information about the symbolism of the tortoise?

- A) NO CHANGE
- B) (for new beginnings)
- C) (from Chinese mythology)
- D) (for symbolic reasons)

Wet plate photographers essentially create their own film. The process can be dangerous, given that it requires the use of several volatile chemicals. **25** To take a wet plate photograph, photographers usually first arrange or pose **26** it's subjects before mixing collodion (a viscous, light-sensitive chemical solution) with bromide, iodide, or chloride and applying the mixture to a clean, polished glass plate. Dried collodion is unusable, **27** so once the photo is snapped with a massive, tripod-mounted

25

At this point, the writer is considering adding the following sentence.

It's also labor-intensive, involving several intricate steps.

Should the writer make this addition here?

- A) Yes, because it serves as an effective transition by reiterating the main idea of the previous paragraph.
- B) Yes, because it sets up the paragraph's outline of the process of wet plate photography.
- C) No, because it blurs the paragraph's focus on the dangers involved in wet plate photography.
- D) No, because it provides an opinion in a paragraph that is focused on facts.

In 2010, as a construction crew began to tear up sidewalks in New York City's South Street Seaport to replace a water pipe, Alyssa Loorya and her team watched eagerly, picks and brushes in hand. Loorya, an urban archaeologist, studies the history of **34** cities. Any New York City construction project using municipal funds

34

The writer is considering revising the underlined portion to the following.

cities by excavating artifacts that have accumulated over centuries of land development.

Should the writer make this revision here?

- A) Yes, because it helps set up the rest of the passage by explaining what urban archaeologists do.
- B) Yes, because it identifies the characteristics that make particular cities worthy of archaeological study.
- C) No, because it does not give enough detail about the kinds of artifacts that urban archaeologists typically find.
- D) No, because it does not explain how excavation benefits the study of a city's history.

Having **5** known Spaulding for many years and having maintained a professional relationship with him, Geisel was an experienced writer and illustrator.

6 However, this new project presented him with an obstacle. Spaulding told Geisel to write his entire book using a restricted vocabulary from an elementary school list of 348 words. Geisel started two stories, only to

5

Which choice best supports the information that follows in the sentence?

- A) NO CHANGE
- B) acquired a reputation for perfectionism and for setting high standards for his work,
- C) been interested in politics before breaking into the genre of children's literature,
- D) published nine children's books and having received three nominations for the prestigious Caldecott Medal,

Instead of requiring students to volunteer, schools **21** have to recognize that not all students are equally well suited to the same activities. Many studies show that when schools simply tell students about opportunities for community service and connect them with organizations that need help, more students volunteer of their own free will. **22**

21

Which choice most effectively sets up the point made in the next sentence?

- A) NO CHANGE
- B) should allow students to spend their time participating in athletics and other extracurricular activities.
- C) should focus on offering arrangements that make volunteering an easy and attractive choice.
- D) are advised to recognize the limits of their ability to influence their students.

Sentence Order

[1] The main environmental problem caused by the production of Greek yogurt is the creation of acid whey as a by-product. [2] Because it requires up to four times more milk to make than conventional yogurt does, Greek yogurt produces larger amounts of acid whey, which is difficult to dispose of. [3] To address the problem of disposal, farmers have found a number of uses for acid whey. [4] They can add it to livestock feed as a protein

2 supplement, and people can make their own Greek-style yogurt at home by straining regular yogurt.

[5] If it is improperly introduced into the environment, acid-whey runoff **3** can pollute waterways, depleting the oxygen content of streams and rivers as it decomposes. [6] Yogurt manufacturers, food

4 scientists; and government officials are also working together to develop additional solutions for reusing whey. **5**

[1] Box's research is important because the fires of 2012 may not be a one-time phenomenon. [2] According to scientists, rising Arctic temperatures are making northern latitudes greener and thus more fire prone. [3] The pattern Box observed in 2012 may repeat **21** itself again, with harmful effects on the Arctic ecosystem. [4] Box is currently organizing an expedition to gather this crucial information. [5] The next step for Box and his team is to travel to Greenland to perform direct sampling of the ice in order to determine just how much the soot is contributing to the melting of the ice sheet. [6] Members of the public will be able to track his team's progress—and even help fund the expedition—through a website Box has created. **22**

5

To make this paragraph most logical, sentence 5 should be placed

- A) where it is now.
- B) after sentence 1.
- C) after sentence 2.
- D) after sentence 3.

22

To make this paragraph most logical, sentence 4 should be placed

- A) where it is now.
- B) after sentence 1.
- C) after sentence 2.
- D) after sentence 5.

[1] Thus, even though I already had all the equipment I needed in my home office, I decided to try using a coworking space in my city. [2] Because I was specifically interested in coworking's reported benefits related to creativity, I chose a facility that offered a bright, open work area where I wouldn't be isolated.

[3] Throughout the morning, more people appeared.

[4] Periods of quiet, during which everyone worked independently, were broken up occasionally with lively conversation. **31**

[1] What was less well-known, until recently at least, was how this relationship among sea otters, sea urchins, and kelp forests might help fight global warming. [2] The amount of carbon dioxide in the atmosphere has increased 40 percent **04**. [3] A recent study by two professors at the University of California, Santa Cruz, Chris Wilmers and James Estes, **05** suggests, that kelp forests protected by sea otters can absorb as much as twelve times the amount of carbon dioxide from the atmosphere as those where sea urchins are allowed to **06** devour the kelp. [4] Like **07** their terrestrial plant cousins, kelp removes carbon dioxide from the atmosphere, turning it into sugar fuel through photosynthesis, and releases oxygen back into the air. [5] Scientists knew this but did not recognize **1**, how large a role they played in helping kelp forests to significantly decrease the amount of carbon dioxide in the atmosphere. [6] Far from making no difference to the ecosystem, the presence of otters was found to increase the carbon storage of kelp forests by 4.4 to 8.7 megatons annually, offsetting the amount of carbon dioxide emitted by three million to six million passenger cars each year. **1/**

31

The writer wants to add the following sentence to the paragraph.

After filling out a simple registration form and taking a quick tour of the facility, I took a seat at a table and got right to work on my laptop.

The best placement for the sentence is immediately

- A) before sentence 1.
- B) after sentence 1.
- C) after sentence 2.
- D) after sentence 3.

31

Where is the most logical place in this paragraph to add the following sentence?

What Wilmers and Estes discovered in their study, therefore, surprised them.

- A) After sentence 1
- B) After sentence 3
- C) After sentence 4
- D) After sentence 5

[1] More like a **16** fair than an actual café, the first

Repair Café took place in Amsterdam, the Netherlands.

[2] It was the brainchild of former journalist Martine

Postma, **17** wanting to take a practical stand in a

throwaway culture. [3] Her goals were

2. straightforward, however: reduce waste, maintain and perpetuate knowledge and skills, and strengthen community. [4] Participants bring all manner of damaged articles—clothing, appliances, furniture, and more—to be repaired by a staff of volunteer specialists including tailors, electricians, and carpenters. [5] Since the inaugural Repair Café, others have been hosted in theater foyers, community centers, hotels, and auditoriums. [6] While **21** they await for service, patrons can enjoy coffee and snacks and mingle with their neighbors in need. **20**

[1] 1-MCP works by limiting a fruit's production of ethylene, **24** it is a chemical that causes fruit to ripen and eventually rot. [2] While 1-MCP keeps apples **25** tight and crisp for months, it also limits **26** their scent production. [3] This may not be much of a problem with certain kinds of apples that are not naturally very fragrant, such as Granny Smith, but for apples that are prized for their fruity fragrance, such as McIntosh, this can be a problem with consumers, **27** that will reject apples lacking the expected aroma. [4] But some fruits do not respond as well to 1-MCP as others **28** did, and some even respond adversely. [5] Furthermore, some fruits, particularly those that naturally produce a large

42

To make this paragraph most logical, sentence 5 should be placed

- A) where it is now.
- B) before sentence 1.
- C) after sentence 3.
- D) after sentence 6.

30

To make this paragraph most logical, sentence 4 should be placed

- A) where it is now.
- B) after sentence 1.
- C) after sentence 2.
- D) after sentence 5.

[1] The State Hermitage Museum in St. Petersburg, one of Russia's greatest art museums, has long had a productive partnership with a much loved animal: the cat. [2] For centuries, cats have guarded this famous museum, ridding it of mice, rats, and other rodents that could damage the art, not to mention **16** scared off visitors. [3] Peter the Great introduced the first cat to the Hermitage in the early eighteenth century. [4] Later Catherine the Great declared the cats to be official guardians of the galleries. [5] Continuing the tradition, Peter's daughter Elizaveta introduced the best and strongest cats in Russia to the Hermitage. [6] Today, the museum holds a yearly festival honoring these faithful workers. **17**

[1] Perhaps the epitome of traditional methodology is the *Dictionary of American Regional English*, colloquially known as *DARE*. [2] Its fifth and final alphabetical volume—ending with “zydeco”—released in 2012, the dictionary represents decades of arduous work. [3] Over a six-year period from 1965 to 1970, university graduate students conducted interviews in more than a thousand communities across the nation. [4] Their goal was to determine what names people used for such everyday objects and concepts as a submarine sandwich (a “hero” in New York City but a “dagwood” in many parts of Minnesota, Iowa, and Colorado) and a heavy rainstorm (variously a “gully washer,” “pour-down,” or “stump mover”). [5] The work that dictionary founder Frederic G. Cassidy had expected to be finished by 1976 was not, in fact, completed in his lifetime. [6] The wait did not dampen enthusiasm among **04** scholars. Scholars consider the work a signal achievement in linguistics. **05**

39

To make this paragraph most logical, sentence 5 should be placed

- A) where it is now.
- B) after sentence 1.
- C) after sentence 3.
- D) after sentence 6.

27

To improve the cohesion and flow of this paragraph, the writer wants to add the following sentence.

Data gathering proved to be the quick part of the project.

The sentence would most logically be placed after

- A) sentence 2.
- B) sentence 3.
- C) sentence 4.
- D) sentence 5.

[1] A basic understanding of computer programming is essential. [2] In fact, many designers **2/** initially begin their pursuits as programmers. [3] Consider taking some general computer science courses as well as courses in artificial intelligence and graphics in order to increase your understanding of the technical challenges involved in developing a video game. [4] Courses in psychology and human behavior may help you develop **20** emphatic collaboration skills, while courses in the humanities, such as in literature and film, should give you the background necessary to develop effective narrative structures. [5] A designer also needs careful educational preparation. [6] Finally, because a designer should understand the business aspects of the video game industry, such as budgeting and marketing, you may want to consider taking some business courses. [7] Although demanding and deadline driven, **21** video game design can be a lucrative and rewarding field for people who love gaming and have prepared themselves with the necessary skills and knowledge. **22**

44

- To make this paragraph most logical, sentence 5 should be
- A) placed where it is now.
 - B) placed before sentence 1.
 - C) placed after sentence 3.
 - D) DELETED from the paragraph.

[1] One significant benefit of 3-D printing technology is its ability to create scale reproductions of fossils. [2] But now 3-D scale models can be rearranged with ease, which is a huge boon to scientists. [3] A team led by Drexel University professor Kenneth Lacovara is making models of dinosaur bones one-tenth the bones' original sizes **5** in order to learn how they fit together when the animals were alive. [4] In the past, such research was limited by the weight and bulk of the fossils as well as **6** its preciousness and fragility. [5] In many cases, scientists had to rearrange bones virtually, using artists' renderings. **7**

7

- To make this paragraph most logical, sentence 2 should be placed
- A) where it is now.
 - B) before sentence 1.
 - C) after sentence 4.
 - D) after sentence 5.

[1] One innovative playwright has woven the deficiencies of the system into her crowdfunding model. [2] Though the price for her tickets was higher than that of tickets for comparable shows, it was still affordable to most theatergoers—and reflected the real cost of the performance. [3] She presented the total cost for producing her play on a crowdfunding site. [4] Then she divided the total cost by the number of people she expected to attend the performance. [5] The result of the calculation was the minimum donor price, and only donors who paid at least the minimum ticket price were allowed to attend the performance. [6] By subverting the presumption that money used for her project is an altruistic donation, the playwright showed that **31** our work has monetary value to those who enjoy it. **32**

32

To make this paragraph most logical, sentence 2 should be placed

- A) where it is now.
- B) after sentence 3.
- C) after sentence 4.
- D) after sentence 5.

[1] The recent precipitous decline of print journalism as a viable profession has exacerbated long-held concerns about the state of investigative reporting in the United States. [2] Facing lower print circulation and diminished advertising revenue, many major newspapers have reduced or eliminated investigative resources.

[3] Newspapers, the traditional nurturing ground for investigative journalism, have been hit especially hard by the widespread availability of free news online. [4] To survive, investigative journalism must continue to adapt to the digital age. **34**

34

For the sake of the logic and cohesion of the paragraph, sentence 3 should be

- A) placed where it is now.
- B) placed before sentence 1.
- C) placed after sentence 1.
- D) DELETED from the paragraph.

[1] Enter committee member John Burland, [19] he is a geotechnical engineer from England who saved London's clock tower Big Ben from collapse. [2] Burland began a years-long process of drilling out small amounts of soil from under the tower [20] that took several years to complete and then monitoring the tower's resulting movement. [3] Twice daily, Burland evaluated these movements and made recommendations as to how much soil should be removed in the next drilling. [4] By 2001, almost 77 tons of soil had been removed, and the tower's tilt had decreased by over 1.5 degrees; the ugly iron weights were removed, and the tower was reopened to visitors. [5] Burland [21] advocated using soil extraction: removing small amounts of soil from under the tower's north side, opposite its tilt, to enable gravity to straighten the tower. [22]

22

- To make this paragraph most logical, sentence 5 should be
- A) placed after sentence 1.
 - B) placed after sentence 2.
 - C) placed after sentence 3.
 - D) DELETED from the paragraph.

[1] A report by the Space Foundation estimated that NASA contributed \$180 billion to the economy in 2005. [2] More than 60 percent of the contribution [8] coming from commercial goods and services created by companies using space-related technology. [3] This translates as excellent returns from an agency that received approximately 17.7 billion in tax dollars in 2014. [4] This investment by taxpayers enhances not only the national economy but also the United States' competitiveness in the international market. [5] Moreover, the benefits of NASA funding extend beyond the purely economic, as astrophysicist Neil deGrasse Tyson indicated in his testimony before the US Senate: "For . . . a penny on a dollar—we can transform the country from a sullen, dispirited nation, weary of economic struggle, to one where it has reclaimed its twentieth-century birthright to dream of tomorrow." [9]

9

- To make this paragraph most logical, sentence 1 should be placed
- A) where it is now.
 - B) after sentence 2.
 - C) after sentence 3.
 - D) after sentence 4.

[1] Proof of ulterior motives is scarce,

40 consequently weakening Pooley and Socolow's argument. [2] For instance, the C. E. Hooper ratings indicate that a mere 2 percent of households had tuned in to the broadcast. [3] Pooley and Socolow also call into question the validity of an oft-cited report that was based on a survey conducted six weeks after the broadcast.

[4] Just because some people found the broadcast unsettling, the authors contend, doesn't mean they believed it and reacted with real terror. [5] According to this report, one million people indicated that they had been "frightened" by the broadcast. [6] Ratings, however, reveal that **41** far fewer than a million people had been listening to the broadcast. [7] Furthermore, Pooley and Socolow note that this survey "conflated being 'frightened,' 'disturbed,' or 'excited' by the program with being 'panicked.'" **42**

[1] While there are many regional variations of the lion dance costume, all make extensive use of symbols and colors. [2] The lion's head is often adorned with a phoenix **18** (a mythical bird) or a tortoise (for longevity). [3] Green lions encourage friendliness. [4] Golden and red lions represent liveliness and bravery, respectively. [5] Their older counterparts, yellow and white lions, dance more slowly and deliberately. [6] In some variations, lions of different colors are different ages, and they move accordingly. [7] Black lions are the youngest; therefore, they dance quickly and playfully. [8] The appearance of the lions varies, but their message is consistent: Happy New Year. **19**

42

To make this paragraph most logical, sentence 4 should be placed

- A) where it is now.
- B) after sentence 2.
- C) after sentence 5.
- D) after sentence 7.

19

To make this paragraph most logical, sentence 5 should be placed

- A) where it is now.
- B) after sentence 1.
- C) after sentence 3.
- D) after sentence 7.

[1] Court reporters record the spoken word in real time, most commonly using the technique of stenography. [2] A stenotype machine allows a person to type about 200 words per minute (the speed of speech is about 180 words per minute). [3] The typed words are instantaneously translated onto a computer screen for the judge to view, and the transcript is used later by people who want to review the case, such as journalists and lawyers. [4] Digital audio recording is becoming increasingly popular in courtrooms across the United States, with six states using solely audio recordings for general jurisdiction sessions. [5] Proponents of going digital say that technology is the easiest way to get the most accurate record of the proceedings, as the machine records everything faithfully as it occurs and is not **26** subject to human errors such as mishearing or mistyping. [6] However, with the rise of high-quality recording technology, reliance on court reporters **27** as a record keeper is decreasing. **28**

28

- To make this paragraph most logical, sentence 6 should be placed
- A) where it is now.
 - B) after sentence 1.
 - C) after sentence 3.
 - D) after sentence 4.

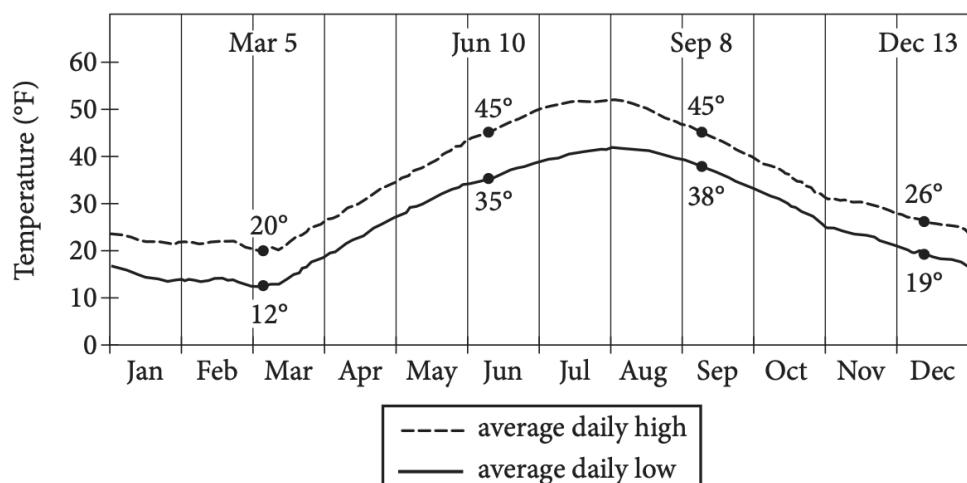
[1] Sixty miles north of Guam and more than 1,700 feet under the ocean's surface is the summit of NW Rota-1, an undersea volcano discovered in 2003. [2] Surprisingly, the volcano appears to have been continuously active; it even grew 130 feet in height between 2006 and 2009. [3] Yet despite the hostile environment created by the constant volcanic activity, life is thriving there. [4] Special adaptations are the key to survival. [5] At that depth, water pressure suppresses the explosive force of the volcano's eruptions, allowing scientists to **1** watch and observe them up close via remotely operated vehicles. **2**

2

- To make the paragraph most logical, sentence 5 should be placed
- A) where it is now.
 - B) after sentence 1.
 - C) after sentence 2.
 - D) after sentence 3.

Infographics

Average Daily High and Low Temperatures Recorded at Nuuk Weather Station, Greenland (1961—1990)



Most of Greenland's interior is covered by a thick

layer of ice and compressed snow known as the Greenland Ice Sheet. The size of the ice sheet fluctuates seasonally: in summer, average daily high temperatures in Greenland can rise to slightly above 50 degrees Fahrenheit, partially melting the ice; in the winter, the sheet thickens as additional snow falls, and average daily low temperatures can drop **12** to as low as 20 degrees.

public transit was projected to save \$8.4 million per year in fare collection costs **19** but create a deficit of \$72 million per year in lost fares, on top of capital investments in new equipment and infrastructure. **20**

Projected Yearly Savings and Costs of Implementing a Fare-Free Policy

Transit agency	Savings from eliminating fare collection	Cost in lost fares	Cost of adding service	Total additional operating costs
Lane Transit, Eugene, OR	\$100,000 to \$500,000	\$5 million	not provided	\$5 million
Muni, San Francisco, CA	\$8.4 million	\$112 million	\$72 million*	\$184 million
Public Transit, Hamilton, Canada	not provided	\$900,000	\$30 million	\$30.9 million

*plus \$512 million in capital investments

12

Which choice most accurately and effectively represents the information in the graph?

- A) NO CHANGE
- B) to 12 degrees Fahrenheit.
- C) to their lowest point on December 13.
- D) to 10 degrees Fahrenheit and stay there for months.

19

Which choice provides an accurate interpretation of the chart?

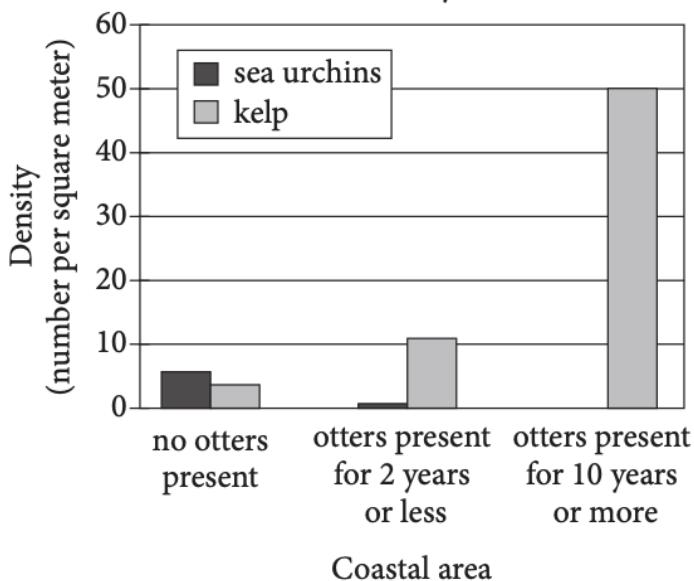
- A) NO CHANGE
- B) and save an additional \$112 million from lost fares,
- C) but result in a total increase of \$184 million per year in operating costs,
- D) and save \$72 million per year in costs related to adding service,

What most caught my interest, though, was a quotation from someone who described coworking spaces as “melting pots of creativity.” The article refers to a 2012 survey in which **29** 64 percent of respondents noted that coworking spaces prevented them from completing tasks in a given time. The article goes on to suggest that the most valuable resources provided by coworking spaces are actually the people **30** whom use them.

Environmentalist Otters

It has long been known that the sea otters **23** living along the West Coast of North America help keep kelp forests in their habitat healthy and vital. They do this by feeding on sea urchins and other herbivorous invertebrates that graze voraciously on kelp. With sea otters to keep the population of sea urchins in check, kelp forests can flourish. In fact, **24** two years or less of sea otters can completely eliminate sea urchins in a coastal area (see chart).

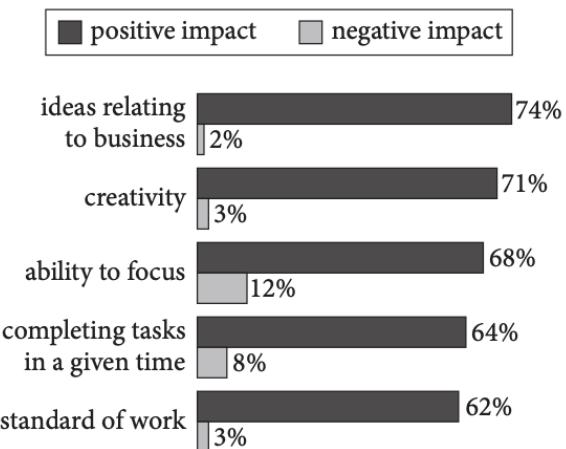
Effects of Sea Otter Presence on Kelp and Sea Urchin Density in Coastal Areas



29

At this point, the writer wants to add specific information that supports the main topic of the paragraph.

Perceived Effect of Coworking on Business Skills



Adapted from “The 3rd Global Coworking Survey.” ©2013 by Deskmag.

Which choice most effectively completes the sentence with relevant and accurate information based on the graph above?

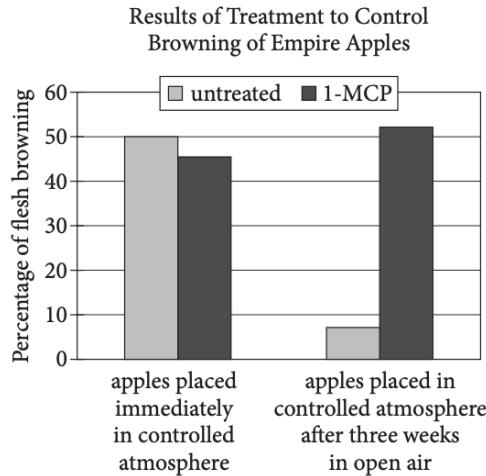
- A) NO CHANGE
- B) 71 percent of respondents indicated that using a coworking space increased their creativity.
- C) respondents credited coworking spaces with giving them 74 percent of their ideas relating to business.
- D) respondents revealed that their ability to focus on their work improved by 12 percent in a coworking space.

24

Which choice offers an accurate interpretation of the data in the chart?

- A) NO CHANGE
- B) even two years or less of sea otter presence can reduce the sea urchin threat
- C) kelp density increases proportionally as sea urchin density increases
- D) even after sea otters were present for ten years or more, kelp density was still lower than sea urchin density

Traditionally, apple producers have dealt with this problem by leaving the apples in the open air for three weeks before storing them in a controlled atmosphere with tightly regulated temperature, humidity, and carbon dioxide levels. As the graph shows, the flesh of untreated Empire apples that are first stored in the open air undergoes **31** roughly five percent less browning than the flesh of untreated Empire apples that are immediately put into storage in a controlled environment. However, when Empire apples are treated with 1-MCP, **32** their flesh turns brown when the apples are first stored in the open air, though not under other conditions. Although



Increasingly, PAs and other such medical practitioners have become a critical complement to physicians. A 2013 RAND Corporation report estimates that while the number of primary care physicians will increase slowly from 2010 to 2025, the number of physician assistants and nurse-practitioners in primary care will grow at much faster rates. **32** Both by merit and from necessity, PAs are likely to greet more **33** patience than ever before.

Supply of Physicians, Physician Assistants, and Nurse-Practitioners in Primary Care Clinical Practice in 2010 and 2025

Provider type	2010		2025 (predicted)	
	Number	Percent of total	Number	Percent of total
Physicians	210,000	71	216,000	60
Physician assistants	30,000	10	42,000	12
Nurse-practitioners	56,000	19	103,000	28
Total	296,000	100	361,000	100

31

Which choice offers an accurate interpretation of the data in the graph?

- A) NO CHANGE
- B) slightly more browning than
- C) twice as much browning as
- D) substantially less browning than

32

Which choice offers an accurate interpretation of the data in the graph?

- A) NO CHANGE
- B) roughly half of their flesh turns brown, regardless of whether the apples are first stored in the open air.
- C) their flesh browns when they are put directly into a controlled atmosphere but not when they are first stored in the open air.
- D) their flesh turns brown when they are first stored in the open air, though not as quickly as the apple flesh in an untreated group does.

32

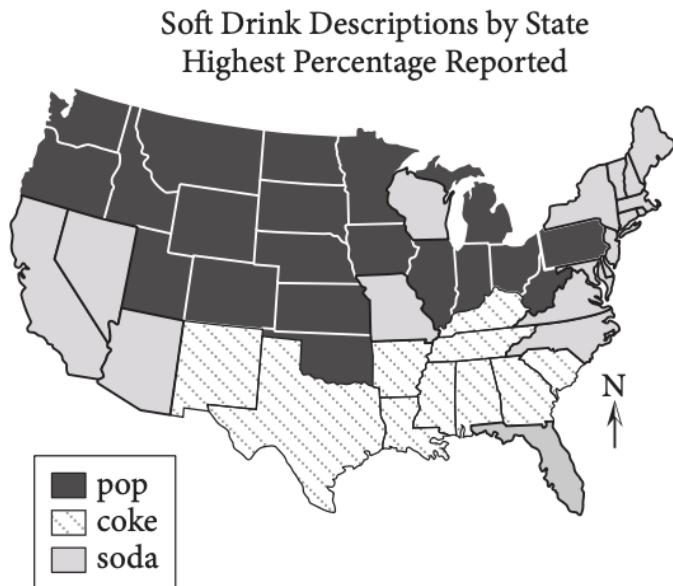
At this point, the writer is considering adding the following sentence.

In fact, according to the data presented in the table, physician assistants will likely outnumber physicians by 2025.

Should the writer make this addition here?

- A) Yes, because it provides additional support for the main point of the paragraph.
- B) Yes, because it addresses a possible counterargument to the writer's main claim.
- C) No, because it is not an accurate interpretation of the data.
- D) No, because it introduces irrelevant information that interrupts the flow of the passage.

variations in people's terms for soft drinks. As the map shows, "soda" is commonly heard in the middle and western portions of the United States; "pop" is frequently used in many southern states; and "coke" is predominant in the northeastern and southwest regions but used elsewhere as well. **31** As interesting as Russ's findings are, though, **32** they're true value lies in their reminder that the Internet is not merely a sophisticated tool for collecting data but is also **33** itself a rich source of data.



education personnel. As the figure suggests, **21** receiving coaching and consultation is the overarching framework, while the opportunity to belong to professional networks and participate in activities such as foundation and skill-building workshops is relatively unimportant.



31

The writer wants the information in the passage to correspond as closely as possible with the information in the map. Given that goal and assuming that the rest of the previous sentence would remain unchanged, in which sequence should the three terms for soft drinks be discussed?

- A) NO CHANGE
- B) "pop," "soda," "coke"
- C) "pop," "coke," "soda"
- D) "soda," "coke," "pop"

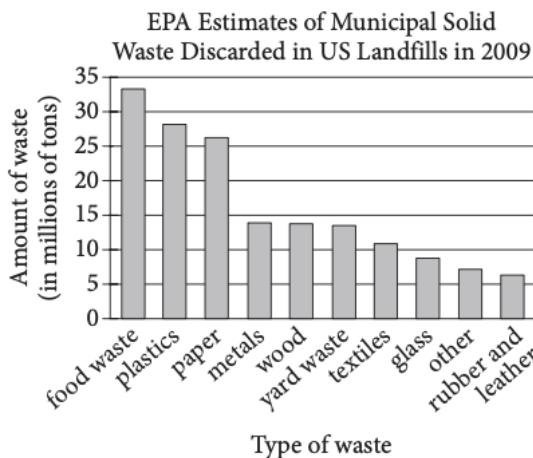
21

Which choice makes the writer's description of the figure most accurate?

- A) NO CHANGE
- B) participation in foundation and skill-building workshops is the overarching framework within which staff receive coaching and consultation as well as the opportunity to belong to a professional network.
- C) membership in a professional network is the overarching framework within which staff receive coaching and consultation as well as the opportunity to attend foundation and skill-building workshops.
- D) receiving coaching and consultation is the overarching framework within which staff have the opportunity to belong to a professional network as well as attend foundation and skill-building workshops.

In spite of all compost's potential uses, however, most of this so-called waste is wasted. According to the Environmental Protection Agency (EPA), over

5 13 million tons of metal ended up in US landfills in 2009, along with over 13 million tons of yard debris. Remarkably, **6** less glass was discarded in landfills in that year than any other substance, including plastics or paper. Even **7** worse, then the squandering of this useful resource is the fact that compost in landfills cannot break down due to the lack of necessary air and moisture.



5

The writer wants to include information from the graph that is consistent with the description of compost in the passage. Which choice most effectively accomplishes this goal?

- A) NO CHANGE
- B) 6 million tons of rubber and leather
- C) 10 million tons of textiles
- D) 33 million tons of food waste

6

The writer wants to support the paragraph's main idea with accurate, relevant information from the graph. Which choice most effectively accomplishes this goal?

- A) NO CHANGE
- B) more metal
- C) more food waste
- D) more yard waste

Crowdfunded Projects on Kickstarter in 2012



Adapted from "These Were the Most Successful Projects on Kickstarter Last Year." ©2013 by The Economist Newspaper Limited.

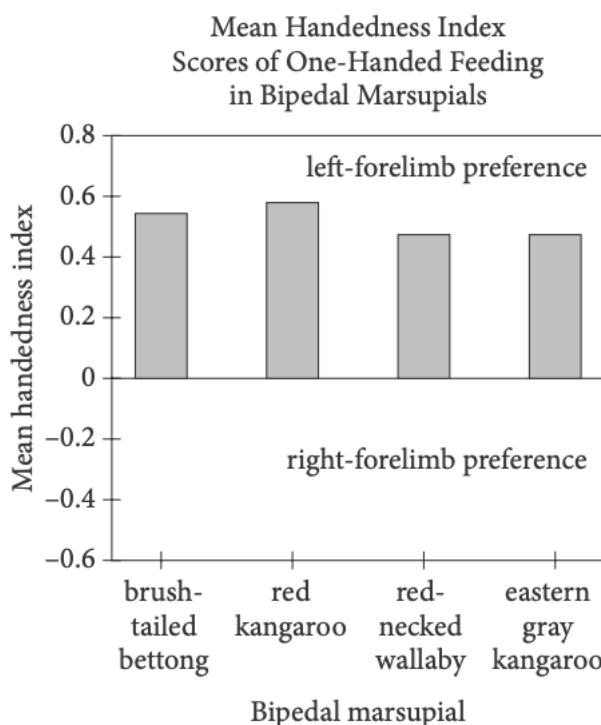
Which choice offers an accurate interpretation of the data in the graphs?

- A) The project category with the lowest amount of money raised was also the most successfully funded project category.
- B) The project category with the highest average pledge amount was also the most successfully funded project category.
- C) The project category with the lowest average pledge amount was also the project category that raised the most money.
- D) The project category with the highest average pledge amount was also the project category with the most money raised.

Researchers at Saint Petersburg State University and the University of Tasmania observed marsupials walking on either two legs (bipeds) or four (quadrupeds) and performing tasks such as bringing food to their mouths. The scientists employed a mean handedness index;

27 negative scores indicated a left-forelimb preference and positive scores indicated a right-forelimb preference.

While eating, the eastern gray kangaroo, red-necked wallaby, red **28** kangaroo and, brush-tailed bettong, all bipedal marsupials, preferred using their left forelimb, as revealed by **29** positive mean handedness index values less than 0.2 for all four species. These results suggest handedness among these animals.



Which choice accurately reflects the information in the graph?

- A) NO CHANGE
- B) scores of 0 or less indicated a left-forelimb preference and positive scores indicated a lack of forelimb preference.
- C) positive scores indicated a lack of forelimb preference and negative scores indicated a right-forelimb preference.
- D) positive scores indicated a left-forelimb preference and negative scores indicated a right-forelimb preference.

Which choice most accurately reflects the data in the graph?

- A) NO CHANGE
- B) positive mean handedness index values greater than 0.6
- C) positive mean handedness index values between 0.4 and 0.6
- D) mean handedness index values of 0

Conciseness

[3] The pattern Box observed in 2012 may repeat
21 itself again, with harmful effects on the Arctic ecosystem. [4] Box is currently organizing an expedition

for a leisurely midday trip to my refrigerator. The novelty of this comfortable work-from-home life, however,
23 soon got worn off quickly. Within a month, I found

values underlying thought and behavior. But 35 more pragmatically, the discipline encourages students to analyze complex material, question conventional beliefs, and express thoughts in a concise manner.

use. When a plant in Seattle, Washington, was redesigned for more natural light, the company was able to enjoy annual electricity cost reductions of \$500,000 8 each year.

decided to try employing women as waitstaff. In 1883, he placed an advertisement seeking educated, well-mannered, articulate young women between the ages of 18 and 30. 18 Response to the advertisement was overwhelming, even tremendous, and Harvey soon replaced the male servers at his restaurants with women.

- 21
- A) NO CHANGE
 - B) itself,
 - C) itself, with damage and
 - D) itself possibly,

- 23
- A) NO CHANGE
 - B) was promptly worn
 - C) promptly wore
 - D) wore

- 35
- A) NO CHANGE
 - B) speaking in a more pragmatic way,
 - C) speaking in a way more pragmatically,
 - D) in a more pragmatic-speaking way,

- 8
- A) NO CHANGE
 - B) every year.
 - C) per year.
 - D) DELETE the underlined portion and end the sentence with a period.

- 18
- A) NO CHANGE
 - B) Response to the advertisement was overwhelming,
 - C) Overwhelming, even tremendous, was the response to the advertisement,
 - D) There was an overwhelming, even tremendous, response to the advertisement,

produced with pesticides and synthetic fertilizers. In the name of health, spending \$1.60 for every dollar they would have spent on food that is **14** grown in a manner that is considered conventional. Scientific evidence,

14

- A) NO CHANGE
- B) grown with conventional methods, using pesticides and synthetic fertilizers.
- C) conventionally and therefore not organically grown.
- D) conventionally grown.

[1] A basic understanding of computer programming is essential. [2] In fact, many designers **41** initially begin their pursuits as programmers. [3] Consider taking some

41

- A) NO CHANGE
- B) start to begin their work
- C) initiate their progression
- D) begin their careers

cartoons depicted Tweed as a great big bloated thief. One of the artist's most **18** famous images showed Tweed with a bag of money in place of his head. Another

18

- A) NO CHANGE
- B) famous and well-known
- C) famous and commonly known
- D) famous, commonly known

Ironically, the success of crowdfunding may weaken overall funding for the arts if people begin to feel that paying for the art **30** loved by them is someone else's responsibility.

30

- A) NO CHANGE
- B) they love
- C) loved by him or her
- D) he or she loves

investigative journalism involves original, often long-form reporting on such topics as **37** illegal activities, street crime, corporate wrongdoing, and political corruption. An investigative story involves one

37

- A) NO CHANGE
- B) business scandals,
- C) abuse of government power,
- D) DELETE the underlined portion.

narrowest part of its figure-eight shape. In one half of Lake 226, they added phosphates, nitrates, and a source of carbon; in the other, they added just nitrates **6** and a source of carbon was added. Schindler and Brunskill

6

- A) NO CHANGE
- B) and a source of carbon.
- C) plus also a source of carbon.
- D) but also adding a source of carbon.

London's clock tower Big Ben from collapse. [2] Burland began a years-long process of drilling out small amounts of soil from under the tower **20** that took several years to complete and then monitoring the tower's resulting movement. [3] Twice daily, Burland evaluated these

20

- A) NO CHANGE
- B) —taking several years to complete—
- C) that took him several years to complete
- D) DELETE the underlined portion.

The National Aeronautics and Space Administration (NASA) is a US government agency whose budget is frequently **1** many times contested. Many people think of NASA's programs as trivial. In truth, the agency has a

1

- A) NO CHANGE
- B) oftentimes
- C) repeatedly
- D) DELETE the underlined portion.

New theories, **12** new practices too, and technologies are transforming the twenty-first-century workplace at lightning speed. To perform their jobs

12

- A) NO CHANGE
- B) also new practices,
- C) in addition to practices,
- D) practices,

it is the duty of those employees to identify, and even pay for, appropriate resources to **17** show them how and why they are falling behind and what they should do about it. This argument ignores research pointing to

17

- A) NO CHANGE
- B) address their deficiencies.
- C) deal with their flaws and shortcomings.
- D) allow them to meet their employers' needs in terms of the knowledge they are supposed to have.

During their early years, the movement also focused on the value of **30** spending lots of time with friends and family during long meals. It emphasized the importance of preserving these “easygoing, slow

newspaper industry sought to discredit the newly emerging technology of radio, which was cutting into newspapers’ **39** profits. The newspaper industry tried to do this by portraying the new medium as irresponsible.

Chinatown in Washington, DC. The crowd has gathered to celebrate Lunar New Year. The street is a sea of **12** red. Red is the traditional Chinese color of luck and happiness. Buildings are draped with festive, red,

envelope. It then chews up the bills and spits out the **22** money-filled envelope instead of chewing it up. The crowd cheers for the lion dancers and for the prosperity and good fortune their dance foretells.

can distinguish between the words **32** and distinguish between the extrinsic noises that need not be recorded.

30

- A) NO CHANGE
- B) leisurely meals with friends and family.
- C) eating slowly and in the company of loved ones such as friends and family.
- D) joining friends as well as family for time-consuming meals.

39

Which choice most effectively combines the sentences at the underlined portion?

- A) profits, which is what the newspaper industry tried to do when it portrayed
- B) profits, by which the newspaper industry portrayed
- C) profits and tried to do this by portraying
- D) profits, by portraying

12

Which choice most effectively combines the sentences at the underlined portion?

- A) red,
- B) red; in addition, red is
- C) red; in other words, red is
- D) red, the color; that is

22

- A) NO CHANGE
- B) envelope that had been dangling from the doorway.
- C) envelope that had the money in it.
- D) envelope.

32

- A) NO CHANGE
- B) also between the
- C) and when there are
- D) and the

can be tested. Specially designed “drop towers” **38** built for this purpose reduce these problems, but they provide no more than 10 seconds of microgravity, and droplet

38

- A) NO CHANGE
- B) intended for this use
- C) constructed for this function
- D) DELETE the underlined portion.

survival. [5] At that depth, water pressure suppresses the explosive force of the volcano’s eruptions, allowing scientists to **1** watch and observe them up close via

1

- A) NO CHANGE
- B) watch
- C) observe to see
- D) visually watch

film requires long exposures, moving subjects blur. **32** A shifting arm or leg might even disappear because of the lengthy exposure time required. The exposure time

32

- A) NO CHANGE
- B) An arm or a leg, shifting during the long exposure time required by wet plate photography, might even disappear.
- C) A wet plate photographer’s subject’s arm or leg might even disappear during this long exposure time.
- D) A shifting arm or leg might even disappear.

will be affected during construction, and if that possibility **36** exists or is possible, an urban archaeologist must be consulted. Since the South Street

36

- A) NO CHANGE
- B) exists potentially,
- C) exists, it is necessary that
- D) exists,

of writing a book with a limited vocabulary. **8** At the end of a duration nine months long, *The Cat in the Hat* was complete.

8

- A) NO CHANGE
- B) After thirty-six weeks—or nine months—had passed,
- C) After a length of nine months had elapsed,
- D) Nine months later,

Proponents of compulsory **15** volunteering who are

in favor of it point out that it allows young people to garner the benefits that volunteering offers. Students who

15

- A) NO CHANGE
- B) volunteering, advocating it,
- C) volunteering
- D) volunteering and its advocates

the body; this sequestration would explain handedness, the tendency to consistently prefer **24** one hand over the other, in humans. However, a recent finding of

24

- A) NO CHANGE
- B) and favor the use of one hand over the other,
- C) one hand over the other that could be chosen,
- D) one hand on a regular basis,

degrees for all employees. Businesses have succeeded in **42** minimizing and keeping down costs and ensuring the relevance of employees' coursework by offering fixed

42

- A) NO CHANGE
- B) minimizing costs associated with employees' coursework
- C) being effective at keeping down costs
- D) keeping down costs

Diction

Greek yogurt business have found many methods of controlling and eliminating most environmental threats. Given these solutions as well as the many health benefits of the food, the advantages of Greek yogurt **1** outdo the potential drawbacks of its production.

effort. Nutritionists consider Greek yogurt to be a healthy food: it is an excellent source of calcium and protein, serves **7** to be a digestive aid, and **8** it contains few calories in its unsweetened low- and non-fat forms.

concentrated, Greek yogurt contains slightly more protein per serving, thereby helping people stay **10** satiated for longer periods of time. These health benefits have prompted Greek yogurt's recent surge in

writer, and several mobile app coders. Even those of us who work in disparate fields are able to **33** share advice and help each other brainstorm. In fact, it's the diversity

In recent years, public libraries in the United States have experienced **1** reducing in their operating funds due to cuts imposed at the federal, state, and local government levels. **2** However, library staffing has been

searches as well as résumé and job material development. An overwhelming number of public libraries also report that they provide help with electronic government resources related to income taxes, **10** law troubles, and retirement programs.

1

- A) NO CHANGE
- B) defeat
- C) outperform
- D) outweigh

7

- A) NO CHANGE
- B) as
- C) like
- D) for

10

- A) NO CHANGE
- B) fulfilled
- C) complacent
- D) sufficient

33

- A) NO CHANGE
- B) give some wisdom
- C) proclaim our opinions
- D) opine

1

- A) NO CHANGE
- B) reductions
- C) deducting
- D) deducts

10

- A) NO CHANGE
- B) legal issues,
- C) concerns related to law courts,
- D) matters for the law courts,

forests protected by sea otters can absorb as much as twelve times the amount of carbon dioxide from the atmosphere as those where sea urchins are allowed to **28** devour the kelp. [4] Like **29** their terrestrial plant

Wilmers and Estes caution, however, that **32** having more otters will not automatically solve the problem of higher levels of carbon dioxide in the air. But they suggest

strategy for the past 80 years. This approach increases sales, but it also stands in **36** austere contrast to a time when goods were produced to be durable. Planned

auditoriums. [6] While **41** they await for service, patrons can enjoy coffee and snacks and mingle with their neighbors in need. **42**

sunlight down into a building's interior. Glass walls and dividers can also be used to replace solid walls as a means **11** through distributing natural light more freely.

for its high standards of service and quality. The menu was modeled after those of fine restaurants, so the food was leagues beyond the **16** sinister fare travelers were accustomed to receiving in transit.

28

- A) NO CHANGE
- B) dispatch
- C) overindulge on
- D) dispose of

32

- A) NO CHANGE
- B) increasing the otter population
- C) the otters multiplying
- D) having more otters than other locations

36

- A) NO CHANGE
- B) egregious
- C) unmitigated
- D) stark

41

- A) NO CHANGE
- B) awaiting
- C) they waited
- D) waiting

11

- A) NO CHANGE
- B) of
- C) from
- D) DELETE the underlined portion.

16

- Which choice best maintains the tone established in the passage?
- A) NO CHANGE
 - B) surly
 - C) abysmal
 - D) icky

[1] 1-MCP works by limiting a fruit's production of ethylene, **24** it is a chemical that causes fruit to ripen and eventually rot. [2] While 1-MCP keeps apples **25** tight and crisp for months, it also limits **26** their scent production. [3] This may not be much of a problem with

These cats are so cherished by the museum that officials recently **40** decreed original paintings to be made of six of them. In each, a cat is depicted upright in a humanlike pose and clothed in imperial-era Russian

prehistoric fossils. **1** These models have expanded researchers' knowledge of ancient species and **2** swear to advance the field of paleontology in the years to come.

power. Eventually, Tweed and his gang were **20** persecuted for a number of charges, including fraud and larceny, and many of them were sent to jail. In 1875 Tweed escaped from jail and fled to Spain and unwittingly **21** brought about one final **22** pinnacle for the power of political cartoons: A Spanish police officer recognized Tweed from one of Nast's cartoons. Consequently, Tweed was sent back to jail, and Nast was hailed as the man who toppled the great Tammany Hall machine.

It is not difficult to understand why a cash-strapped, understaffed publication might feel pressure to cut teams of investigative **35** reporter's—their work is expensive and time-consuming. **36** Taking on the public interest, investigative journalism involves original, often long-form reporting on such topics as **37** illegal activities, street crime, corporate wrongdoing, and political corruption. An investigative story involves one

25

- A) NO CHANGE
- B) firm
- C) stiff
- D) taut

40

- A) NO CHANGE
- B) commissioned
- C) forced
- D) licensed

2

- A) NO CHANGE
- B) subscribe
- C) vow
- D) promise

20

- A) NO CHANGE
- B) persecuted on
- C) persecuted with
- D) prosecuted on

22

- A) NO CHANGE
- B) triumph
- C) culmination
- D) apex

36

- A) NO CHANGE
- B) Undertaken in
- C) Overtaking
- D) Taking off from

Abu Ghraib during the Iraq War. **38** In these and other cases, exposure from reporters has served as an important **39** blockade to or scolding of malfeasance.

While worrisome, the decline of traditional print media **40** could not entail the end of investigative journalism. **41** Although many newsrooms have

Schindler and Brunsell's findings were **8** shown off by the journal *Science*. The research demonstrated a clear correlation between introducing phosphates and the growth of blue-green algae. **9** For example, legislators

Luckily, the tower survived, and its tilt has made it an Italian **14** icon, it attracts visitors from all over who flock to Pisa to see one of the greatest architectural **15** weirdnesses in the world. **16** By the late twentieth

visitors. [5] Burland **21** advocated using soil extraction: removing small amounts of soil from under the tower's north side, opposite its tilt, to enable gravity to straighten the tower. **22**

workers who provide routine and clinical services. While the pressures of an aging population, insurance reforms, and health epidemics have increased demand for care, the supply of physicians is not expected to **24** keep pace.

39

- A) NO CHANGE
- B) interference to or condemnation of
- C) drag on or reproof of
- D) deterrent or rebuke to

40

Which choice most effectively suggests that the "end of investigative journalism" is a real possibility but one that can be prevented?

- A) NO CHANGE
- B) need
- C) will
- D) must

8

- A) NO CHANGE
- B) put in the spotlight of
- C) published in
- D) put into

15

- A) NO CHANGE
- B) deviations
- C) oddities
- D) abnormalities

21

- A) NO CHANGE
- B) advocated to use
- C) advocated the using of
- D) advocating to use

24

- A) NO CHANGE
- B) maintain the tempo.
- C) get in line.
- D) move along.

population. Because a traditionalist response to the crisis—**25** amping up medical-college enrollments and expanding physician training programs—is too slow and costly to address the near-term problem, alternatives are being explored. One promising avenue has been greater

care will grow at much faster rates. **32** Both by merit and from necessity, PAs are likely to greet more **33** patience than ever before.

contemporary readers. This practice is almost as **35** elderly as the medium itself and has in large part established the “ages” that compose comic book history.

of NASA’s programs as trivial. In truth, the agency has a widespread positive **2** effect on society by serving as a catalyst for innovation and scientific understanding,

5 greatly increased international cooperation. A short list of inventions **6** elaborated by NASA includes communications satellites, invisible braces, and cordless

Forward-thinking employers recognize the importance of investing in the employees they have rather than hiring new staff when the skills of current workers **18** get old and worn out.

25

- A) NO CHANGE
- B) bolstering
- C) arousing
- D) revving up

33

- A) NO CHANGE
- B) patience, than
- C) patients then
- D) patients than

35

- A) NO CHANGE
- B) old
- C) mature
- D) geriatric

2

- A) NO CHANGE
- B) affect on
- C) effect to
- D) affects on

6

- A) NO CHANGE
- B) evolved
- C) developed
- D) progressed

18

- A) NO CHANGE
- B) are no good anymore.
- C) become obsolete.
- D) have lost their charm.

pleasures.” As the movement grew beyond Italy’s borders—today Slow Food International boasts more than 100,000 members in 150 countries—this emphasis on pleasure **31** pictured criticism for being elitist. Critics

calls. This version of events persisted, and the legend became that Welles’s broadcast had as many as twelve million people **36** who feared that Martians had invaded Earth.

and preventing some plant diseases. It also enhances soil texture, encouraging healthy roots and minimizing or **2** annihilating the need for chemical fertilizers. Better

paper. Even **7** worse, then the squandering of this useful resource is the fact that compost in landfills cannot break down due to the lack of necessary air and moisture.

As a result, organic material that is sent to landfills **8** contribute to the release of methane, a very **9** potent greenhouse gas.

Court reporters for years have been the record keepers of the court, taking **23** scrupulous notes during **24** hearings; depositions, and other legal proceedings. Despite the increasing use of digital recording technologies, court reporters still play a vital role in

31

- A) NO CHANGE
- B) portrayed
- C) drew
- D) sketched

36

- A) NO CHANGE
- B) that feared
- C) fearing
- D) to fear

2

Which choice best maintains the style and tone of the passage?

- A) NO CHANGE
- B) eliminating
- C) ousting
- D) closing the door on

7

- A) NO CHANGE
- B) worse than
- C) worse then
- D) worse, than

9

- A) NO CHANGE
- B) sturdy
- C) influential
- D) commanding

23

Which choice best fits with the tone of the rest of the passage?

- A) NO CHANGE
- B) super-rigorous
- C) spot-on
- D) intense

general jurisdiction sessions. [5] Proponents of going digital say that technology is the easiest way to get the most accurate record of the proceedings, as the machine records everything faithfully as it occurs and is not

26 subject to human errors such as mishearing or mistyping. [6] However, with the rise of high-quality

drawbacks researchers face on Earth. The standard method involves burning droplets of fuel, but Earth's gravitational influence causes the droplets to lose spherical symmetry while burning. This **36** deformation results in subtle variations in density that both **37** causes uneven heat flow and limits the size of the droplets that

study comparing projected results of fare-free policies in different cities found this outlook to be **18** way too sunny. For example, in San Francisco, CA, fare-free

camera, the photographer has **28** nominal minutes to develop it, using more chemicals. When the image

glass plate. Dried collodion is unusable, **27** so once the photo is snapped with a massive, tripod-mounted century. Colonial-era New Yorkers went to great lengths to secure fresh drinking water, Loorya noted, given the **42** effort involved in laying wooden pipes to bring in fresh water from surrounding areas, digging very deep wells, brewing alcohol to mask the water's salty taste, and even importing bottled water.

26

- A) NO CHANGE
- B) subjected to
- C) subjected from
- D) subject for

36

Which choice provides the most precise description of the phenomenon depicted in the previous sentence?

- A) NO CHANGE
- B) alteration
- C) transformation
- D) modification

18

- A) NO CHANGE
- B) looking too much on the bright side.
- C) pretty upbeat.
- D) overly optimistic.

28

The writer wants to emphasize how quickly wet plate photographers have to work. Which choice most effectively accomplishes this goal?

- A) NO CHANGE
- B) a few
- C) a matter of
- D) mere

42

Which choice best maintains the style and tone of the passage?

- A) NO CHANGE
- B) blood, sweat, and tears
- C) hassle
- D) feats of strength and fortitude

schedules. Some studies have also found that students who do community service are more likely to volunteer as adults, and thus **17** effect society positively over the course of many years.

and those who volunteer willingly. One recent study by Sara E. Helms, assistant professor of economics at Samford University in Birmingham, Alabama, did focus specifically on **18** mandatory volunteering. She found

other, in humans. However, a recent finding of handedness in marsupials suggests that a **25** trait other than the presence of a corpus callosum **26** links as handedness: bipedalism.

position to an accounting associate position. This allowed UTC to retain an employee with a **41** deep knowledge of her industry and years of valuable experience.

which subjects workers can study. Even with these methods, tuition reimbursement may not be appropriate in all cases, especially if classes are likely **43** to divert employees' time and energy from their jobs.

17

- A) NO CHANGE
- B) affect
- C) effecting
- D) affects

18

- A) NO CHANGE
- B) coercive
- C) forcible
- D) imperative

26

- A) NO CHANGE
- B) correlates with
- C) correlates from
- D) links on

41

- A) NO CHANGE
- B) hidden
- C) large
- D) spacious

43

- A) NO CHANGE
- B) diverted
- C) in diverting
- D) diversions for

Sentences and Fragments

Because philosophy **36** teaching students not what to think but how to think, the age-old discipline offers consistently useful tools for academic and professional achievement. **37** A 1994 survey concluded that only 18 percent of American colleges required at least one philosophy course. **38** Therefore, between 1992 and 1996, more than 400 independent philosophy departments were eliminated from institutions.

42 That these skills are transferable across professions **43** which makes them especially beneficial to twenty-first-century students. Because today's students

rate. This trend, combined with the increasing accessibility of information via the Internet, **3** has led some to claim that librarianship is in decline as a profession. As public libraries adapt to rapid

It has long been known that the sea otters **23** living along the West Coast of North America help keep kelp forests in their habitat healthy and vital. They do this by feeding on sea urchins and other herbivorous invertebrates that graze voraciously on kelp. With sea

for railroad companies, Fred Harvey, an English-born **14** entrepreneur. He decided to open his own restaurant business to serve rail customers. Beginning in the 1870s, he opened dozens of restaurants in rail stations and dining cars. These Harvey Houses, which constituted the

36

- A) NO CHANGE
- B) teaches
- C) to teach
- D) and teaching

43

- A) NO CHANGE
- B) that
- C) and
- D) DELETE the underlined portion.

3

- A) NO CHANGE
- B) have
- C) which have
- D) which has

23

- A) NO CHANGE
- B) living along the West Coast of North America, they help
- C) that live along the West Coast of North America and help to
- D) that live along the West Coast of North America, where they help

14

- A) NO CHANGE
- B) entrepreneur:
- C) entrepreneur; he
- D) entrepreneur,

steady and lucrative position for women. Living independently and demonstrating an intense work **21** ethic; the Harvey Girls became known as a transformative force in the American **22** West.

From Michelangelo's *David* to Vincent van Gogh's series of self-portraits to Grant Wood's iconic image of a farming couple in *American 34 Gothic*. These works by human artists have favored representations of members of their own species to those of other species. Indeed,

produced with pesticides and synthetic fertilizers. In the name of health, **13** spending \$1.60 for every dollar they would have spent on food that is **14** grown in a manner that is considered conventional. Scientific evidence,

and software use, and digital information literacy. While these classes are particularly helpful to young students developing basic research skills, **8** but adult patrons can also benefit from librarian assistance in that they can acquire job-relevant computer skills. **9** Free to all who utilize

contributors. **28** In addition, audiences may contain many "free **29** riders," they did not make contributions.

In the winter of 1968, scientists David Schindler and Gregg Brunskill poured nitrates and phosphates into Lake **1** 227, this is one of the 58 freshwater bodies that compose Canada's remotely located Experimental Lakes Area. Schindler and Brunskill were contaminating the water not out of malice but in the name of research.

21

- A) NO CHANGE
- B) ethic:
- C) ethic, and
- D) ethic,

34

- A) NO CHANGE
- B) *Gothic*. Works
- C) *Gothic*; these works
- D) *Gothic*, works

13

- A) NO CHANGE
- B) these consumers spend
- C) having spent
- D) to spend

8

- A) NO CHANGE
- B) and
- C) for
- D) DELETE the underlined portion.

29

- A) NO CHANGE
- B) "riders," not making
- C) "riders," who did not make
- D) "riders" to not make

1

- A) NO CHANGE
- B) 227. Which is one
- C) 227. One
- D) 227, one

- [1] A report by the Space Foundation estimated that NASA contributed \$180 billion to the economy in 2005.
- [2] More than 60 percent of the contribution **8** coming from commercial goods and services created by companies using space-related technology. [3] This

Critics of employer-provided professional development argue that employees **15** might consider a popular career path. If employees find themselves falling behind in the workplace, these critics **16** contend. Then it is the duty of those employees to identify, and even pay for, appropriate resources to **17** show them how and why they are falling behind and what they should do about it. This argument ignores research pointing to

life. To counter the rise of fast food and fast **24** life, a cohort of chefs, journalists, and sociologists spearheaded a Slow Food movement, declaring loyalty to unhurried enjoyment. **25**

Pooley and Socolow describe a more likely scenario: most people who heard the broadcast understood they were listening to a piece of fiction, but **43** some being influenced by the sensationalized news coverage afterward, later “remembered” being more afraid than they had been. The researchers also suggest that,

on technology, errors actually increase. Because digital systems record **30** indiscriminately; they cannot discern important parts of the proceedings from other noises in the courtroom. **31** Despite this, a digital device does

During an underwater eruption, steam quickly **8** condenses. The steam leaves only carbon dioxide bubbles and droplets of molten sulfur. This means that

8

- A) NO CHANGE
- B) which came
- C) to come
- D) came

16

- A) NO CHANGE
- B) contend; then
- C) contend then
- D) contend, then

24

- A) NO CHANGE
- B) life; a
- C) life: a
- D) life. A

43

- A) NO CHANGE
- B) some, they were
- C) some,
- D) some

30

- A) NO CHANGE
- B) indiscriminately, they
- C) indiscriminately. They
- D) indiscriminately, therefore they

8

- Which choice most effectively combines the sentences at the underlined portion?
- A) condenses and leaves
 - B) condenses, having to leave
 - C) condenses, thereafter leaving
 - D) condenses, and then, after this, it leaves

make public transportation free to passengers. While fare-free policies do increase **12** ridership, but they have not been found to be an effective way to address traffic problems. Moreover, these policies may result in serious budget shortfalls.

nearly as much as they did before. In 2013 Tallinn, Estonia, instituted fare-free rides for city residents (becoming the largest city in the world to do so), but car use in Tallinn has only slightly **14** declined; as a 2014 study by the KTH Royal Institute of Technology in Sweden found that car traffic in Tallinn was down less than 3 percent since **15** it was enacted.

faced obstacles. Fieldwork in a city has to be done intermittently: the construction crew had to proceed one block at a time to avoid interrupting traffic, and the archaeology team's work was periodically **38** halted—by stormy weather and the discovery of toxic materials underground. Moreover, as archaeologists underground

eighteenth century. In August 2013, the archaeologists discovered thousands of objects in a single fifteen-foot stretch that was likely a garbage disposal **40** site. Including buttons from Revolutionary War uniforms, clay pipes, and an imported mineral water bottle from Germany.

Spaulding agreed that there was a need for appealing books for beginning **4** readers. He thought he knew who should write one. He arranged to have dinner with

12

- A) NO CHANGE
- B) ridership, and while
- C) ridership,
- D) ridership;

14

- A) NO CHANGE
- B) declined:
- C) declined,
- D) declined. As

38

- A) NO CHANGE
- B) halted;
- C) halted,
- D) halted

40

- A) NO CHANGE
- B) site, among these were
- C) site, including
- D) site; including

4

Which choice most effectively combines the sentences at the underlined portion?

- A) readers, and he
- B) readers—namely, he
- C) readers; and Spaulding
- D) readers, and meanwhile he

memorable rhythms and rhymes. Its sales inspired another publishing company, Random House, to establish a series for early readers called Beginner Books, which featured works by Geisel and other writers, and other publishers quickly followed suit. In the years that **10** followed. Many talented writers and illustrators of children's books imitated Geisel's formula of restricted vocabulary and whimsical artwork. But perhaps the best

specifically on **18** mandatory volunteering. She found that students who were required to volunteer rushed to complete their service hours in early high **19** school, they then did significantly less regular volunteer work in the twelfth grade **20** than the service hours of those not required to volunteer. Helms concluded that compulsory

other, in humans. However, a recent finding of handedness in marsupials suggests that a **25** trait other than the presence of a corpus callosum **26** links as handedness: bipedalism.

While eating, the eastern gray kangaroo, red-necked wallaby, red **28** kangaroo and, brush-tailed bettong, all bipedal marsupials, preferred using their left forelimb, as revealed by **29** positive mean handedness index values less than 0.2 for all four species. These results suggest

community concur. Explaining his company's decision to expand its tuition-assistance program, John Fox, the director of dealer training at Fiat Chrysler Automobiles in the United States, **37** who stressed the importance of drawing skilled employees to Fiat Chrysler's car dealerships: "This is a benefit that can surely bring top talent to our dealers," he said.

10

- A) NO CHANGE
- B) followed; many
- C) followed, many
- D) followed—many

19

- A) NO CHANGE
- B) school; they then,
- C) school. They, then
- D) school; they then

25

- A) NO CHANGE
- B) trait,
- C) trait;
- D) trait:

28

- A) NO CHANGE
- B) kangaroo, and
- C) kangaroo; and
- D) kangaroo—and,

37

- A) NO CHANGE
- B) stressed
- C) stressing
- D) and he stressed

Paying for tuition also helps businesses retain

38 employees. Retaining employees is important not only because it ensures a skilled and experienced workforce but also because it mitigates the considerable costs of finding, hiring, and training new workers.

Employees whose tuition is reimbursed often stay with their employer even after they complete their

39 degrees. Because their new qualifications give them opportunities for advancement within the company. The

38

Which choice most effectively combines the sentences at the underlined portion?

- A) employees, and this retention
- B) employees, the retaining of whom
- C) employees, which
- D) employees; that

39

- A) NO CHANGE
- B) degrees: because
- C) degrees because
- D) degrees; because

Combining Sentences

Typically, the ice sheet begins to show evidence of thawing in late **13** summer. This follows several weeks of higher temperatures. **14** For example, in the summer of

frozen desserts. Because consumers reap the nutritional benefits of Greek yogurt and support those who make and sell **11** it, therefore farmers and businesses should continue finding safe and effective methods of producing the food.

According to Box, a leading Greenland expert, tundra fires in 2012 from as far away as North America produced great amounts of soot, some **17** of it drifted over Greenland in giant plumes of smoke and then **18** fell as particles onto the ice sheet. Scientists have long

grown 46 percent in a decade. Also, studies have found that those students who major in philosophy often do better than students from other majors in both verbal reasoning and analytical **39** writing. These results can be measured by standardized test scores. On the Graduate

9 Thus, businesses can install light tubes, **10** these are

pipes placed in workplace roofs to capture and funnel sunlight down into a building's interior. Glass walls and

13

Which choice most effectively combines the two sentences at the underlined portion?

- A) summer, following
- B) summer, and this thawing follows
- C) summer, and such thawing follows
- D) summer and this evidence follows

11

- A) NO CHANGE
- B) it, farmers
- C) it, so farmers
- D) it: farmers

17

- A) NO CHANGE
- B) soot
- C) of which
- D) DELETE the underlined portion.

39

Which choice most effectively combines the sentences at the underlined portion?

- A) writing as
- B) writing, and these results can be
- C) writing, which can also be
- D) writing when the results are

10

- A) NO CHANGE
- B) they are
- C) which are
- D) those being

instruction. **7** In fact, librarians' training now includes courses on research and Internet search methods. Many of whom teach classes in Internet navigation, database and software use, and digital information literacy. While

7

Which choice most effectively combines the underlined sentences?

- A) In fact, librarians' training now includes courses on research and Internet search methods; many librarians teach classes in Internet navigation, database and software use, and digital information literacy is taught by them.
- B) In fact, many librarians, whose training now includes courses on research and Internet search methods, teach classes in Internet navigation, database and software use, and digital information literacy.
- C) Training now includes courses on research and Internet search methods; many librarians, in fact, are teaching classes in Internet navigation, database and software use, and digital information literacy.
- D) Including courses on research and Internet search methods in their training is, in fact, why many librarians teach classes in Internet navigation, database and software use, and digital information literacy.

stocked with leather-bound volumes. The couch and chairs, in keeping with the style of the time, are characterized by elegantly curved arms and **16** legs, they are covered in luxurious velvet. A dime-sized portrait of a French aristocratic woman hangs in a golden frame.

amount of ethylene, do not respond as well to 1-MCP treatment. [6] Take Bartlett **29** pears, for instance, unless they are treated with exactly the right amount of 1-MCP at exactly the right time, they will remain hard and green until they rot, and consumers who experience this will be unlikely to purchase them again. **30**

16

- A) NO CHANGE
- B) legs, the couch and chairs
- C) legs and
- D) legs,

29

- A) NO CHANGE
- B) pears, for instance:
- C) pears for instance,
- D) pears. For instance,

18

Which choice most effectively combines the sentences at the underlined portion?

- A) furnished by their
- B) furnished, but their
- C) furnished: their
- D) furnished, whereas

The plainer rooms are more sparsely **18** furnished. Their architectural features, furnishings, and decorations are just as true to the periods they represent. One of my

7 Artificial light sources are also costly aside from lowering worker productivity. They typically constitute anywhere from 25 to 50 percent of a building's energy use. When a plant in Seattle, Washington, was redesigned for more natural light, the company was able to enjoy annual electricity cost reductions of \$500,000 **8** each year.

being eaten by consumers. **23** 1-MCP lengthens storage life by three to four times when applied to apples. This extended life allows producers to sell their apples in the off-season, months after the apples have been harvested.

In 1932 the well-known Mexican muralist David Alfaro Siqueiros was commissioned to paint a mural on the second-story exterior wall of a historic building in downtown Los Angeles. Siqueiros was asked to celebrate tropical America in his work, **1** he accordingly titled it "América Tropical." He painted the mural's first two

7

In context, which choice best combines the underlined sentences?

- A) Aside from lowering worker productivity, artificial light sources are also costly, typically constituting anywhere from 25 to 50 percent of a building's energy use.
- B) The cost of artificial light sources, aside from lowering worker productivity, typically constitutes anywhere from 25 to 50 percent of a building's energy use.
- C) Typically constituting 25 to 50 percent of a building's energy use, artificial light sources lower worker productivity and are costly.
- D) Artificial lights, which lower worker productivity and are costly, typically constitute anywhere from 25 to 50 percent of a building's energy use.

23

Which choice most effectively combines the underlined sentences?

- A) When applied to apples, 1-MCP lengthens storage life by three to four times, allowing producers to sell their apples in the off-season, months after the apples have been harvested.
- B) Producers are allowed to sell their apples months after they have been harvested—in the off-season—because 1-MCP, when applied to apples, lengthens their storage life by three to four times.
- C) 1-MCP lengthens storage life, when applied to apples, by three to four times, allowing producers to sell their apples months after the apples have been harvested in the off-season.
- D) Months after apples have been harvested, producers are allowed to sell their apples, in the off-season, because 1-MCP lengthens storage life when applied to apples by three to four times.

1

- A) NO CHANGE
- B) which he accordingly titled
- C) accordingly he titled it
- D) it was titled accordingly

8 The result was an explosion of mural painting that spread throughout California and the southwestern United States in the 1970s. It was the Chicano mural movement. Hundreds of large, colorful new murals

was not, in fact, completed in his lifetime. [6] The wait did not dampen enthusiasm among **26** scholars. Scholars consider the work a signal achievement in linguistics. **27**

Conceptualizing a game is only the beginning of a video game designer's **36** job, however, no matter how good a concept is, it will never be translated into a video game unless it is communicated effectively to all the other members of the video game development team. **37** A

[1] 1-MCP works by limiting a fruit's production of ethylene, **24** it is a chemical that causes fruit to ripen and eventually rot. [2] While 1-MCP keeps apples **25** tight

- 8** Which choice most effectively combines the underlined sentences?
- A) The result was an explosion, the Chicano mural movement, of mural painting that spread throughout California and the southwestern United States in the 1970s.
 - B) The result was the Chicano mural movement, an explosion of mural painting that spread throughout California and the southwestern United States in the 1970s.
 - C) The explosion of mural painting that spread throughout California and the southwestern United States in the 1970s was the resulting Chicano mural movement.
 - D) An explosion of mural painting resulted and it spread throughout California and the southwestern United States in the 1970s; it was the Chicano mural movement.

- 26**
- A) NO CHANGE
 - B) scholars, and these scholars
 - C) scholars, but scholars
 - D) scholars, who

- 36**
- A) NO CHANGE
 - B) job, however. No
 - C) job—however, no
 - D) job however no

- 24**
- A) NO CHANGE
 - B) being
 - C) that is
 - D) DELETE the underlined portion.

melted polymer plastic. The plastic hardens quickly, **4** it allows the printer to build the layers of the final model. Compared with older ways of modeling fossils, scanning and printing in this way is extremely versatile.

It is not difficult to understand why a cash-strapped, understaffed publication might feel pressure to cut teams of investigative **35** reporter's—their work is expensive and time-consuming. **36** Taking on the public interest,

Just weeks after the scientists added the nitrates and phosphates, the water in Lake 227 turned bright **4** green. It was thick with: the same type of algal blooms that had plagued Lake Erie.

Luckily, the tower survived, and its tilt has made it an Italian **14** icon, it attracts visitors from all over who flock to Pisa to see one of the greatest architectural **15** weirdnesses in the world. **16** By the late twentieth

In the winter of 1968, scientists David Schindler and Gregg Brunskill poured nitrates and phosphates into Lake **1** 227, this is one of the 58 freshwater bodies that compose Canada's remotely located Experimental Lakes Area. Schindler and Brunskill were contaminating the water not out of malice but in the name of research.

[1] Enter committee member John Burland, **19** he is a geotechnical engineer from England who saved London's clock tower Big Ben from collapse. [2] Burland

4

- A) NO CHANGE
- B) this
- C) which
- D) that

35

- A) NO CHANGE
- B) reporters:
- C) reporters,
- D) reporter's;

1

- A) NO CHANGE
- B) 227. Which is one
- C) 227. One
- D) 227, one

14

- A) NO CHANGE
- B) icon, attracting
- C) icon, its attracting
- D) icon; attracting

4

- A) NO CHANGE
- B) green: it was thick with
- C) green. It was thick with—
- D) green, it was thick with

19

- A) NO CHANGE
- B) Burland is
- C) his being
- D) DELETE the underlined portion.

life. To counter the rise of fast food and fast **24** life, a cohort of chefs, journalists, and sociologists spearheaded a Slow Food movement, declaring loyalty to unhurried enjoyment. **25**

contributors. **28** In addition, audiences may contain many “free **29** riders,” they did not make contributions.

Pooley and Socolow describe a more likely scenario: most people who heard the broadcast understood they were listening to a piece of fiction, but **43** some being influenced by the sensationalized news coverage afterward, later “remembered” being more afraid than they had been. The researchers also suggest that,

The lion dance requires the strength, grace, and coordination of two dancers, **16** both of whom are almost completely hidden by the elaborate bamboo and papier-mâché lion costume that they maneuver. One

on technology, errors actually increase. Because digital systems record **30** indiscriminately; they cannot discern important parts of the proceedings from other noises in the courtroom. **31** Despite this, a digital device does

make public transportation free to passengers. While fare-free policies do increase **12** ridership, but they have not been found to be an effective way to address traffic problems. Moreover, these policies may result in serious budget shortfalls.

24

- A) NO CHANGE
- B) life; a
- C) life: a
- D) life. A

29

- A) NO CHANGE
- B) riders,” not making
- C) riders,” who did not make
- D) riders” to not make

43

- A) NO CHANGE
- B) some, they were
- C) some,
- D) some

16

- A) NO CHANGE
- B) of which both
- C) both of them
- D) both

30

- A) NO CHANGE
- B) indiscriminately, they
- C) indiscriminately. They
- D) indiscriminately, therefore they

12

- A) NO CHANGE
- B) ridership, and while
- C) ridership,
- D) ridership;

nearly as much as they did before. In 2013 Tallinn, Estonia, instituted fare-free rides for city residents (becoming the largest city in the world to do so), but car use in Tallinn has only slightly **14** declined; as a 2014 study by the KTH Royal Institute of Technology in Sweden found that car traffic in Tallinn was down less than 3 percent since **15** it was enacted.

they are losing a key source of funding. Advocates of fare-free policies claim that the costs of these policies are largely offset by various **17** savings, however, a recent study comparing projected results of fare-free policies in different cities found this outlook to be **18** way too sunny. For example, in San Francisco, CA, fare-free

eighteenth century. In August 2013, the archaeologists discovered thousands of objects in a single fifteen-foot stretch that was likely a garbage disposal **40** site. Including buttons from Revolutionary War uniforms, clay pipes, and an imported mineral water bottle from Germany.

Spaulding agreed that there was a need for appealing books for beginning **4** readers. He thought he knew who should write one. He arranged to have dinner with

14

- A) NO CHANGE
- B) declined:
- C) declined,
- D) declined. As

17

- A) NO CHANGE
- B) savings,
- C) savings, but
- D) savings; and

40

- A) NO CHANGE
- B) site, among these were
- C) site, including
- D) site; including

4

Which choice most effectively combines the sentences at the underlined portion?

- A) readers, and he
- B) readers—namely, he
- C) readers; and Spaulding
- D) readers, and meanwhile he

specifically on **18** mandatory volunteering. She found that students who were required to volunteer rushed to complete their service hours in early high **19** school, they then did significantly less regular volunteer work in the twelfth grade **20** than the service hours of those not required to volunteer. Helms concluded that compulsory

other, in humans. However, a recent finding of handedness in marsupials suggests that a **25** trait other than the presence of a corpus callosum **26** links as handedness: bipedalism.

other publishers quickly followed suit. In the years that **10** followed. Many talented writers and illustrators of children's books imitated Geisel's formula of restricted vocabulary and whimsical artwork. But perhaps the best

While eating, the eastern gray kangaroo, red-necked wallaby, red **28** kangaroo and, brush-tailed bettong, all bipedal marsupials, preferred using their left forelimb, as

Paying for tuition also helps businesses retain **38** employees. Retaining employees is important not only because it ensures a skilled and experienced workforce but also because it mitigates the considerable costs of finding, hiring, and training new workers.

Employees whose tuition is reimbursed often stay with their employer even after they complete their **39** degrees. Because their new qualifications give them opportunities for advancement within the company. The

19

- A) NO CHANGE
- B) school; they then,
- C) school. They, then
- D) school; they then

10

- A) NO CHANGE
- B) followed; many
- C) followed, many
- D) followed—many

25

- A) NO CHANGE
- B) trait,
- C) trait;
- D) trait:

28

- A) NO CHANGE
- B) kangaroo, and
- C) kangaroo; and
- D) kangaroo—and,

38

Which choice most effectively combines the sentences at the underlined portion?

- A) employees, and this retention
- B) employees, the retaining of whom
- C) employees, which
- D) employees; that

39

- A) NO CHANGE
- B) degrees: because
- C) degrees because
- D) degrees; because

Non-Essentials

medications. However, although well **29** compensated earning in 2012 a median annual salary of \$90,930, PAs cost health care providers less than do the physicians who

29

- A) NO CHANGE
- B) compensated (earning in 2012 a median annual salary of \$90,930),
- C) compensated, earning in 2012 a median annual salary of \$90,930
- D) compensated: earning in 2012 a median annual salary of \$90,930,

170 years, records show. But Jason **15** Box, an associate professor of geology at Ohio State believes that another factor added to the early **16** thaw; the “dark snow” problem.

15

- A) NO CHANGE
- B) Box an associate professor of geology at Ohio State,
- C) Box, an associate professor of geology at Ohio State,
- D) Box, an associate professor of geology, at Ohio State

The first time I visited the Art Institute of Chicago, I expected to be impressed by its famous large paintings. **12** On one hand, I couldn’t wait to view **13** painter, Georges Seurat’s, 10-foot-wide *A Sunday Afternoon on the Island of La Grande Jatte* in its full size. It took me by

13

- A) NO CHANGE
- B) painter, Georges Seurat’s
- C) painter Georges Seurat’s,
- D) painter Georges Seurat’s

Planned obsolescence, a practice **34** at which products are designed to have a limited period of **35** usefulness, has been a cornerstone of manufacturing strategy for the past 80 years. This approach increases

35

- A) NO CHANGE
- B) usefulness—
- C) usefulness;
- D) usefulness

attire. The person chosen for this **41** task, digital artist, Eldar Zakirov painted the cats in the style traditionally used by portrait artists, in so doing **42** presenting the cats as noble individuals worthy of respect. One portrait,

41

- A) NO CHANGE
- B) task, digital artist, Eldar Zakirov,
- C) task digital artist Eldar Zakirov,
- D) task, digital artist Eldar Zakirov,

of their own species to those of other species. Indeed, when we think about animals depicted in well-known works of art, the image of dogs playing poker—popularized in a series of paintings by American artist C. M. **35** Coolidge, may be the first and only one that comes to mind. Yet some of the earliest known

scrutiny, Siqueiros painted the final section of the mural, the **3** centerpiece at night.

designer. The designer envisions the game's fundamental **35** elements: the settings, characters, and plots that make each game unique, and is thus a primary creative force behind a video game.

enrich themselves and their friends. Boss Tweed's Tammany Hall group, which controlled New York **15** City in the 1860s—stole more than \$30 million,

popular career path. If employees find themselves falling behind in the workplace, these critics **16** contend. Then it is the duty of those employees to identify, and even pay

35

- A) NO CHANGE
- B) Coolidge—
- C) Coolidge;
- D) Coolidge

3

- A) NO CHANGE
- B) centerpiece,
- C) centerpiece;
- D) centerpiece—

35

- A) NO CHANGE
- B) elements: the settings, characters, and plots that make each game unique—
- C) elements—the settings, characters, and plots that make each game unique—
- D) elements; the settings, characters, and plots that make each game unique;

15

- A) NO CHANGE
- B) City in the 1860s,
- C) City, in the 1860s,
- D) City in the 1860s

16

- A) NO CHANGE
- B) contend; then
- C) contend then
- D) contend, then

Congress in 1852. Tammany Hall was so powerful and

17 corrupt that, the *New York Times*, commented

"There is absolutely nothing . . . in the city which is beyond the reach of the insatiable gang."

workplace at lightning speed. To perform their jobs successfully in this dynamic environment, workers in many **13** fields—from social services to manufacturing, must continually acquire relevant knowledge and update key skills. This practice of continued education, also

ingests the vegetation particular to the meadow in which it grazes, which, along with other environmental

27 factors such as altitude and weather shapes the cheese's taste and texture. If all foods were produced

Pooley and Socolow describe a more likely scenario: most people who heard the broadcast understood they were listening to a piece of fiction, but **43** some being influenced by the sensationalized news coverage afterward, later "remembered" being more afraid than they had been. The researchers also suggest that,

embankments near bodies of water. In large

4 quantities, which one would expect to see when it is collected for an entire municipality), compost can be converted into a natural gas that can be used as fuel for transportation or heating and cooling systems.

17

- A) NO CHANGE
- B) corrupt, that the *New York Times* commented,
- C) corrupt that the *New York Times* commented,
- D) corrupt that the *New York Times*, commented

13

- A) NO CHANGE
- B) fields
- C) fields,
- D) fields;

27

- A) NO CHANGE
- B) factors, such as altitude and weather,
- C) factors such as, altitude and weather,
- D) factors, such as altitude and weather

43

- A) NO CHANGE
- B) some, they were
- C) some,
- D) some

4

- A) NO CHANGE
- B) quantities (which
- C) quantities which
- D) quantities; (which

opportunities for advancement within the company. The career of Valerie Lincoln, an employee at the aerospace company United Technologies Corporation **40** (UTC) is a significant success story for her company's tuition-reimbursement program. In eight years at UTC,

40

- A) NO CHANGE
- B) (UTC)—
- C) (UTC):
- D) (UTC),

Loihi shrimp—originally thought to exist only around an undersea volcano near **6** Hawaii, survive by using tiny, shear-like claws to harvest rapidly growing bacterial filaments covering rocks near NW Rota-1's hydrothermal vents. The Loihi shrimp spend most of

6

- A) NO CHANGE
- B) Hawaii;
- C) Hawaii—
- D) Hawaii

parabolic paths instead of horizontal ones. On the plane's ascent, passengers feel twice Earth's gravitational pull, but for brief periods at the peak of the trajectory, **40** "weightlessness" or microgravity similar to what is experienced in space, is achieved.

40

- A) NO CHANGE
- B) "weightlessness" or microgravity, similar to what is experienced, in space
- C) "weightlessness" or, microgravity, similar to what is experienced in space
- D) "weightlessness," or microgravity similar to what is experienced in space,

Transitions

Greek yogurt is slightly lower in sugar and carbohydrates than conventional yogurt is. **9** Also, because it is more concentrated, Greek yogurt contains slightly more protein per serving, thereby helping people stay

Typically, the ice sheet begins to show evidence of thawing in late **13** summer. This follows several weeks of higher temperatures. **14** For example, in the summer of 2012, virtually the entire Greenland Ice Sheet underwent thawing at or near its surface by mid-July, the earliest date on record. Most scientists looking for the causes of

fee, individuals can use to conduct their work. The spaces are usually stocked with standard office **26** equipment, such as photocopiers, printers, and fax machines. **27** In these locations, however, the spaces often include small meeting areas and larger rooms for hosting presentations.

Long viewed by many as the stereotypical useless major, philosophy is now being seen by many students and prospective employers as in fact a very useful and practical major, offering students a host of transferable skills with relevance to the modern workplace. **34** In broad terms, philosophy is the study of meaning and the values underlying thought and behavior. But **35** more

achievement. **37** A 1994 survey concluded that only 18 percent of American colleges required at least one philosophy course. **38** Therefore, between 1992 and 1996, more than 400 independent philosophy departments were eliminated from institutions.

9

- A) NO CHANGE
- B) In other words,
- C) Therefore,
- D) For instance,

14

- A) NO CHANGE
- B) However,
- C) As such,
- D) Moreover,

27

- A) NO CHANGE
- B) In addition to equipment,
- C) For these reasons,
- D) Likewise,

34

- A) NO CHANGE
- B) For example,
- C) In contrast,
- D) Nevertheless,

38

- A) NO CHANGE
- B) Thus,
- C) Moreover,
- D) However,

In recent years, public libraries in the United States have experienced **1** reducing in their operating funds due to cuts imposed at the federal, state, and local government levels. **2** However, library staffing has been cut by almost four percent since 2008, and the demand for librarians continues to decrease, even though half of

2

- A) NO CHANGE
- B) Consequently,
- C) Nevertheless,
- D) Previously,

The first time I visited the Art Institute of Chicago, I expected to be impressed by its famous large paintings. **12** On one hand, I couldn't wait to view **13** painter, Georges Seurat's, 10-foot-wide *A Sunday Afternoon on the Island of La Grande Jatte* in its full size. It took me by

12

- A) NO CHANGE
- B) For instance,
- C) However,
- D) Similarly,

Among the possibilities to reconfigure a building's lighting is the installation of full-pane windows to allow the greatest degree of sunlight to reach office interiors. **9** Thus, businesses can install light tubes, **10** these are pipes placed in workplace roofs to capture and funnel sunlight down into a building's interior. Glass walls and

9

- A) NO CHANGE
- B) Nevertheless,
- C) Alternatively,
- D) Finally,

"América Tropical." He painted the mural's first two sections, featuring images of a tropical rainforest and a Maya pyramid, during the day. **2** Also, to avoid scrutiny, Siqueiros painted the final section of the mural, the **3** centerpiece at night.

2

- A) NO CHANGE
- B) However,
- C) Although,
- D) Moreover,

10 With world population topping seven billion, humanity is in need of some perspective. **11** Therefore, we should continue to support NASA not only for practical reasons but also because it is a necessary vehicle for increasing our awareness of how we can fulfill our responsibilities to the planet and each other.

11

- A) NO CHANGE
- B) Instead,
- C) For example,
- D) However,

Some people buy organic food because they believe organically grown crops are more nutritious and safer for consumption than **12** the people who purchase their conventionally grown counterparts, which are usually produced with pesticides and synthetic fertilizers. In the name of health, **13** spending \$1.60 for every dollar they would have spent on food that is **14** grown in a manner that is considered conventional. Scientific evidence, **15** therefore, suggests that consumers do not reap significant benefits, in terms of either nutritional value or safety, from organic food.

Although advocates of organic food **16** preserve that organic produce is healthier than conventionally grown produce because it has more vitamins and minerals, this assertion is not supported by scientific research. **17** For instance, one review published in *The American Journal of Clinical Nutrition* provided analysis of the results of comparative studies conducted over a span of 50 years; researchers consistently found no evidence that organic crops are more nutritious than conventionally grown ones in terms of their vitamin and mineral content. **18**

Artists such as these Brooklyn performers find that crowdfunding exacerbates problems that already exist. **26** Work, that is easily understood and appreciated, is supported, while more complex work goes unnoticed. **27** Time that could be used creating art is spent devising clever perks to draw the attention of potential contributors. **28** In addition, audiences may contain many “free **29** riders,” they did not make contributions.

15

- A) NO CHANGE
- B) furthermore,
- C) however,
- D) subsequently,

17

- A) NO CHANGE
- B) However,
- C) In addition,
- D) Likewise,

28

- A) NO CHANGE
- B) Conversely,
- C) However,
- D) Thus,

members of the video game development team. **37** A designer must generate extensive documentation and **38** explain his or her ideas clearly in order to ensure that the programmers, artists, and others on the team all share the same vision. **39** Likewise, anyone considering a career as a video game designer must be **40** skilled writers and speakers. In addition, because video game

Because CT scanners can map objects that are impossible to excavate, CT scanning and 3-D printing can also be used to reproduce fossils that scientists cannot observe firsthand. **8** By contrast, researchers from the National Museum of Brazil **9** has relied on this technique to study a fossilized skeleton that was discovered protruding from a rock at an old São Paulo railroad site. **10** The fossil was too delicate to be

“Stop them pictures!” Legend has it that the corrupt politician William “Boss” Tweed once used those words when ordering someone to offer a bribe to Thomas Nast, an artist who had become famous for cartoons that called for reforms to end corruption. **12** As a result, Tweed’s attempt to silence the artist failed, and Nast’s cartoons, published in magazines like *Harper’s Weekly*, actually played a key role in bringing Boss Tweed and his cronies to justice.

Over the past generation, people in many parts of the United States have become accustomed to dividing their household waste products into different categories for recycling. **1** Regardless, paper may go in one container, glass and aluminum in another, regular garbage in a third. Recently, some US cities have added a new

39

- A) NO CHANGE
- B) Nevertheless,
- C) Consequently,
- D) However,

8

- A) NO CHANGE
- B) Nonetheless,
- C) Besides,
- D) For example,

12

- A) NO CHANGE
- B) Therefore,
- C) Furthermore,
- D) DELETE the underlined portion.

1

- A) NO CHANGE
- B) However,
- C) Furthermore,
- D) For example,

money for its current season. The venue features works of performance art showcased in a storefront window.

Those who have seen the space consider it vital.

25 However, that group may not be large enough; with just fourteen days to go in the fund-raising period, the campaign is only 46 percent funded.

Schindler and Brunskill's findings were 8 shown off by the journal *Science*. The research demonstrated a clear correlation between introducing phosphates and the growth of blue-green algae. 9 For example, legislators in Canada passed laws banning phosphates in laundry detergents, which had been entering the water supply. 10

reporters. Nonprofit 42 enterprises such as the Organized Crime and Corruption Reporting Project have begun to fill the void created by staff losses at newspapers and magazines. Enterprising freelance reporters, newly funded by nonprofits, make extensive use of social media, including blogs and Twitter, to foster a public conversation about key issues. The Help Me Investigate project, 43 for example, solicited readers to submit tips and information related to ongoing stories to its website. Far from marking the end of investigative journalism,

Italy's Tower of Pisa has been leaning southward since the initial 12 stages of its construction over 800 years ago. 13 Indeed, if the tower's construction had not taken two centuries and involved significant breaks due to war and civil unrest, which allowed the ground beneath the tower to settle, the tower would likely have collapsed before it was completed.

25

- A) NO CHANGE
- B) Therefore,
- C) In effect,
- D) As a rule,

9

- A) NO CHANGE
- B) Similarly,
- C) However,
- D) Subsequently,

43

- A) NO CHANGE
- B) therefore,
- C) however,
- D) in any case,

13

- A) NO CHANGE
- B) Therefore,
- C) Nevertheless,
- D) However,

care. A recent review of the scholarly literature by Texas researchers found that PAs lend cost-efficient, widely appreciated services in underserved areas.

31 In addition, rural-based PAs often provide a broader spectrum of such services than do their urban and suburban counterparts, possibly as a consequence of the limited pool of rural-based physicians.

Modern (and possibly Postmodern) Ages. Such efforts

41 have yielded diminishing returns, as even the complete relaunch of DC **42** Comics' superhero's, line in 2011 has failed to arrest the steep two-decade decline of comic book sales. For both commercial and, arguably, creative reasons, **43** then, no transition was more successful than **44** those from the Golden to Silver Age.

workshops. Some employers utilize several approaches simultaneously, developing a framework that suits the particular needs of their employees. **20** Around the same time, the figure illustrates a simple yet comprehensive professional-development model created for special education personnel. As the figure suggests, **21** receiving

In 1986, McDonald's caused a stir in Italy when it opened a restaurant next to Rome's historic Spanish Steps. Young, on-the-go eaters were thrilled; **23** specifically, those who prized regional foods and Italy's convivial culture built on cooking and long meals feared that the restaurant signaled the death of a way of life. To counter the rise of fast food and fast **24** life, a

31

- A) NO CHANGE
- B) Thus,
- C) Despite this,
- D) On the other hand,

43

- A) NO CHANGE
- B) however,
- C) nevertheless,
- D) yet,

20

- A) NO CHANGE
- B) Besides that,
- C) Nevertheless,
- D) DELETE the underlined portion

23

- A) NO CHANGE
- B) for example,
- C) however,
- D) in fact,

key skills. This practice of continued education, also known as professional development, benefits not only employees but also their employers. **14** Accordingly, meaningful professional development is a shared responsibility: it is the responsibility of employers to provide useful programs, and it is also the responsibility of employees to take advantage of the opportunities offered to them.

Over time, Slow Food has broadened its mission to focus on food that is good, clean, and fair for all. Members assert that food should be flavorful, carrying the properties of a particular region; it should be raised using environmentally sustainable practices that preserve biodiversity; and it should be accessible to all without exploiting the labors of those who produced it. **33** In short, Slow Food runs programs that support small-scale producers in marketing regional foods in a world where food corporations threaten to drive them out of the marketplace and homogenize food choices.

On Earth, fire provides light, heat, and comfort. Its creation, by a process called combustion, requires a chemical reaction between a fuel source and oxygen. The shape that fire assumes on Earth is a result of gravitational influence and the movement of molecules. In the microgravity environment of space, **34** moreover, combustion and the resulting fire behave in fundamentally different ways than they do on Earth—differences that have important implications for researchers.

14

- A) NO CHANGE
- B) Nevertheless,
- C) Regardless,
- D) Similarly,

33

- A) NO CHANGE
- B) Nonetheless,
- C) To these ends,
- D) By the same token,

34

- A) NO CHANGE
- B) however,
- C) accordingly,
- D) subsequently,

Champions of court reporting, though, argue the

29 opposite. They argue that with the increased reliance on technology, errors actually increase. Because digital systems record 30 indiscriminately; they cannot discern important parts of the proceedings from other noises in the courtroom. 31 Despite this, a digital device does indeed record everything, but that includes loud noises, such as a book dropping, that can make the actual words spoken impossible to hear. A court reporter, however,

31

- A) NO CHANGE
- B) In other words,
- C) Therefore,
- D) Consequently,

Recently, however, scholars have questioned the accuracy of this legend, suggesting the degree of public hysteria has been grossly exaggerated. The authors of an article published in October 2013 go 37 so far to assign blame for the distortion to the newspaper industry.

38 At this time, Jefferson Pooley and Michael Socolow, both professors of communication studies, argue that the newspaper industry sought to discredit the newly emerging technology of radio, which was cutting into newspapers' 39 profits. The newspaper industry tried to do this by portraying the new medium as irresponsible.

38

- A) NO CHANGE
- B) On one hand,
- C) In the article,
- D) Next,

Having 5 known Spaulding for many years and having maintained a professional relationship with him, Geisel was an experienced writer and illustrator.

6 However, this new project presented him with an obstacle. Spaulding told Geisel to write his entire book using a restricted vocabulary from an elementary school list of 348 words. Geisel started two stories, only to

6

- A) NO CHANGE
- B) For example,
- C) Furthermore,
- D) At any rate,

archaeologist must be consulted. Since the South Street Seaport area was a bustling commercial center for early colonists, Loorya anticipated that a rich history lay beneath the pavement. “It’s our job to document and recover that history before it’s lost,” she said.

As the work continued, **37** therefore, the team faced obstacles. Fieldwork in a city has to be done intermittently: the construction crew had to proceed one block at a time to avoid interrupting traffic, and the

develop it, using more chemicals. When the image appears in the negative, water is used to stop the process. A chemical “fix bath” turns the negative image into a positive one. The photo is then immersed in water and warmed. **29** In conclusion, it is coated with lavender **30** oil to give it (a protective finish).

NW Rota-1 is far below the ocean’s photic zone where sunlight drives photosynthesis; **3** nevertheless, bacteria supporting a unique food web have adapted to this perpetually dark environment. The bacteria have

37

- A) NO CHANGE
- B) though,
- C) meanwhile,
- D) similarly,

29

- A) NO CHANGE
- B) Finally,
- C) Thus,
- D) Nevertheless,

3

- A) NO CHANGE
- B) afterward,
- C) furthermore,
- D) similarly,

Additional Comma Uses

decomposes. [6] Yogurt manufacturers, food

4 scientists; and government officials are also working together to develop additional solutions for reusing whey. 5

increased 40 percent 26 . [3] A recent study by two professors at the University of California, Santa Cruz, Chris Wilmers and James Estes, 27 suggests, that kelp forests protected by sea otters can absorb as much as twelve times the amount of carbon dioxide from the atmosphere as those where sea urchins are allowed to 28 devour the kelp. [4] Like 29 their terrestrial plant

consumers. Proponents of organic food, of course, are quick to add that 21 their are numerous other reasons to buy organic 22 food, such as, a desire to protect the environment from potentially damaging pesticides or a preference for the taste of organically grown foods.

26 By virtue of 27 there medical training, PAs can perform many of the jobs traditionally done by doctors, including treating chronic and acute conditions, performing minor 28 surgeries: and prescribing some medications. However, although well 29 compensated

4

- A) NO CHANGE
- B) scientists; and
- C) scientists, and
- D) scientists, and,

27

- A) NO CHANGE
- B) suggests—that
- C) suggests, “that
- D) suggests that

22

- A) NO CHANGE
- B) food such as:
- C) food such as,
- D) food, such as

28

- A) NO CHANGE
- B) surgeries; and
- C) surgeries, and,
- D) surgeries, and

Artists such as these Brooklyn performers find that crowdfunding exacerbates problems that already exist.

26 Work, that is easily understood and appreciated, is supported, while more complex work goes unnoticed.

While deliberately adding chemical compounds to a lake may seem **2** destructive and irresponsible, this method of experimenting is sometimes the most effective way to influence policy and save the environment from even more damaging pollution.

century, the angle of the tower's tilt had reached an astonishing 5.5 degrees; in **17** 1990, Italy's government closed the tower to visitors and appointed a committee to find a way to save it.

a science fiction novel by H. G. Wells. The next day, a front-page **34** headline in the *New York Times* declared, "Radio Listeners in Panic, Taking War Drama as Fact."

theoretical models of biofuel combustion. Better combustion-rate models may even lead to the production of more fuel-efficient engines and improved **44** techniques, for fighting fires in space or at future outposts on the Moon and Mars.

26

- A) NO CHANGE
- B) Work that is easily understood and appreciated is supported,
- C) Work that is easily understood, and appreciated is supported
- D) Work—that is easily understood and appreciated—is supported,

2

- A) NO CHANGE
- B) destructive, and irresponsible this method
- C) destructive and, irresponsible, this method
- D) destructive and irresponsible this method,

17

- A) NO CHANGE
- B) 1990, Italy's government, closed
- C) 1990 Italy's government, closed,
- D) 1990: Italy's government closed

34

- A) NO CHANGE
- B) headline in the *New York Times*, declared
- C) headline, in the *New York Times* declared,
- D) headline, in the *New York Times*, declared

44

- A) NO CHANGE
- B) techniques for fighting fires, in space or at future outposts
- C) techniques for fighting fires in space or at future outposts
- D) techniques for fighting fires in space, or at future outposts,

The shift from the Golden to the Silver Age is probably the most successful **36** example: of publishers responding to changing times and tastes.

to leave the atmosphere and orbit Earth. But by initiating and collaborating on projects such as the Apollo Moon missions, the space shuttle program, the Hubble Space **4** Telescope, and unmanned planetary exploration, NASA has continually challenged its scientists and engineers to do things that were previously thought impossible. All along, these NASA projects have

that of in-person workshops and training. Employers can also **22** identify, which employees have successfully completed instructional modules and which need to be offered additional training. For employees, online

life. To counter the rise of fast food and fast **24** life, a cohort of chefs, journalists, and sociologists spearheaded a Slow Food movement, declaring loyalty to unhurried enjoyment. **25**

While eating, the eastern gray kangaroo, red-necked wallaby, red **28** kangaroo and, brush-tailed bettong, all bipedal marsupials, preferred using their left forelimb, as

36

- A) NO CHANGE
- B) example, of publishers
- C) example of publishers,
- D) example of publishers

4

- A) NO CHANGE
- B) Telescope; and
- C) Telescope and;
- D) Telescope and,

22

- A) NO CHANGE
- B) identify:
- C) identify
- D) identify—

24

- A) NO CHANGE
- B) life; a
- C) life: a
- D) life. A

28

- A) NO CHANGE
- B) kangaroo, and
- C) kangaroo; and
- D) kangaroo—and,

happiness. Buildings are **13** draped with festive, red, banners, and garlands. Lampposts are strung with crimson paper lanterns, which bob in the crisp winter breeze. The eager spectators await the highlight of the New Year parade: the lion dance.

13

- A) NO CHANGE
- B) draped, with festive red banners,
- C) draped with festive red banners—
- D) draped with festive red banners

Court reporters for years have been the record keepers of the court, taking **23** scrupulous notes during **24** hearings; depositions, and other legal proceedings. Despite the increasing use of digital recording technologies, court reporters still play a vital role in

24

- A) NO CHANGE
- B) hearings; depositions;
- C) hearings, depositions,
- D) hearings, depositions;

faced obstacles. Fieldwork in a city has to be done intermittently: the construction crew had to proceed one block at a time to avoid interrupting traffic, and the archaeology team's work was periodically **38** halted—by stormy weather and the discovery of toxic materials underground. Moreover, as archaeologists underground

38

- A) NO CHANGE
- B) halted;
- C) halted,
- D) halted

positive one. The photo is then immersed in water and warmed. **29** In conclusion, it is coated with lavender **30** oil to give it (a protective finish).

30

- A) NO CHANGE
- B) oil—to give it a protective finish.
- C) oil, to give it, a protective finish.
- D) oil to give it a protective finish.