

While one requires oxygen and one does _____ and anaerobic respiration are both forms of cellular respiration—that is, they are processes by which cells break down glucose to use as energy.

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

- A. not aerobic
- B. not. Aerobic
- C. not, aerobic
- D. not; aerobic

Emperor Ashoka ruled the Maurya Empire in South Asia from roughly 270 to 232 BCE. He is known for enforcing a moral code called the Law of Piety, which established the sanctity of animal _____ the just treatment of the elderly, and the abolition of the slave trade.

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

- A. life
- B. life;
- C. life:
- D. life,

Why are Rome's famous concrete structures, such as the Colosseum, still standing after 2,000-plus years, when modern concrete may not even last for fifty? Scientists _____ that the secret to Roman concrete's durability was its unique blend of ingredients, which included volcanic ash and seawater.

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

- A. explain
- B. having explained
- C. explaining
- D. to explain

Smaller than poppy seeds, tardigrades are tiny, but they are tough. These minuscule animals can survive for thirty years without food or water, and _____ can withstand extreme temperatures as low as minus 328 degrees and as high as 304 degrees Fahrenheit.

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

- A. that
- B. it
- C. they
- D. he

At eight paragraphs long, the preamble to the constitution of _____ country in Western Asia—is much longer than the one-paragraph preamble to the United States Constitution.

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

- A. Bahrain—a
- B. Bahrain, a
- C. Bahrain a
- D. Bahrain: a

In the 2011 documentary *The Barber of Birmingham*, civil rights activist James Armstrong recounts how his barbershop in Birmingham, Alabama, _____ as a political hub for members of the Black community during the 1950s.

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

- A. serving
- B. having served
- C. served
- D. to serve

In 1959, the film industry debuted Smell-O-Vision. Theaters were fitted with specialized vents that emitted odors at specific points in a _____ as the scent of roses when roses appeared in a scene. Smell-O-Vision failed to impress, however, with one reviewer declaring it “briefly weird and not very interesting.”

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

- A. movie such
- B. movie; such
- C. movie. Such
- D. movie, such

In 1881, French chemist Camille Faure redesigned the rechargeable lead-acid battery. Faure's design greatly increased the amount of electricity that the original battery, which the French physicist Gaston Planté _____ fifteen years earlier, could hold.

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

- A. is inventing
- B. will invent
- C. invents
- D. had invented

In 1903, environmentalist John Muir guided President Theodore Roosevelt on a scenic, sprawling trip through California's Yosemite Valley. Upon returning from the three-day excursion, Roosevelt _____ to conserve the nation's wilderness areas, a vow he upheld for his remaining six years in office.

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

- A. is vowing
- B. vowed
- C. will vow
- D. vows

Botanists recognize over fifty different species of sunflower. One species, the silverleaf sunflower, _____ both an early-flowering ecotype that tends to grow in coastal areas and a late-flowering ecotype that grows inland.

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

- A. having included
- B. including
- C. to include
- D. includes

Fans of science fiction will _____ multiple references to classic sci-fi stories in Janelle Monáe's song lyrics, including her recurring nods to the plot of the 1927 sci-fi film *Metropolis*.

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

- A. appreciate the
- B. appreciate. The
- C. appreciate, the
- D. appreciate: the

Psychophysicist Howard Moskowitz was hired by a soda company to determine how much artificial sweetener _____. After conducting consumer taste tests, he found that no such ideal existed: participants expressed a wide range of preferences for different blends of sweetener, carbonization, and flavoring.

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

- A. do most people prefer in a diet drink?
- B. do most people prefer in a diet drink.
- C. most people prefer in a diet drink?
- D. most people prefer in a diet drink.

A standard Argo float, a type of autonomous robot, measures temperature and salinity in the upper regions of ice-free oceans. More advanced floats can measure a wider range of _____ and monitor seasonal ice zones.

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

- A. variables: travel to greater depths
- B. variables, travel to greater depths,
- C. variables travel to greater depths,
- D. variables, travel to greater depths;

If you try on one of artist Nick Cave's signature Soundsuits, you can expect to swish, rustle, or clang every time you move. Cave makes his suits out of found objects, everything from ceramic birds to broken record players. He carefully considers the sound an object makes before using _____ in a suit.

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

- A. this
- B. that
- C. these
- D. it

In 1990, California native and researcher Ellen Ochoa left her position as chief of the Intelligent Systems Technology Branch at a NASA research center _____ the space agency's astronaut training program.

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

- A. to join
- B. is joining
- C. joined
- D. joins

In 1899, Swedish chemist Svante Arrhenius developed an equation to answer a long-standing question: why do chemical reactions speed up at higher temperatures? The Arrhenius equation, named for its creator, _____ an important concept in modern chemistry.

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

- A. have remained
- B. remain
- C. remains
- D. are remaining

In 1959, marine biologist Dr. Albert Jones founded the Underwater Adventure Seekers, a scuba diving _____ that is the oldest club for Black divers in the United States and that has helped thousands of diving enthusiasts become certified in the field.

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

- A. club
- B. club,
- C. club—
- D. club, and

Generations of mystery and horror _____ have been influenced by the dark, gothic stories of celebrated American author Edgar Allan Poe (1809–1849).

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

- A. writers
- B. writers,
- C. writers—
- D. writers;

When particles are suspended in liquid (like pollen in a water glass), they will zigzag randomly through the liquid and collide with one another in perpetuity. This type of random, continuous _____ is known as Brownian motion, can be observed throughout the natural world.

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

- A. movement: which
- B. movement, which
- C. movement which
- D. movement. Which

Robin Wall Kimmerer of the Citizen Potawatomi Nation is a bryologist, a plant scientist who specializes in mosses. To Kimmerer, mosses are Earth’s most adaptable plants: they can clone _____ enter a dormant state in times of drought, and grow in areas that don’t have soil.

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

- A. themselves;
- B. themselves,
- C. themselves. And
- D. themselves

Midway through her 1968 jazz album *A Monastic Trio*, Alice Coltrane switches instruments, swapping the piano for the harp. With the same fluid style that Coltrane was famous for on piano, she _____ her fingers across the harp strings and creates a radiant sound.

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

- A. sweep
- B. are sweeping
- C. were sweeping
- D. sweeps

The fine, powdery substance that covers the Moon's surface is called regolith. Because regolith is both readily available and high in oxygen _____ scientists have wondered whether it could be used as a potential source of oxygen for future lunar settlements.

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

- A. content and
- B. content,
- C. content
- D. content, and

Earth is not a perfect sphere. Due to the _____ gravitational pull, Earth bulges out on the sides closest to and farthest from the Moon. This distorting pull is known as a tidal force, and it is responsible for the changes in water levels that are called high and low tides.

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

- A. Moon's
- B. Moons
- C. Moons'
- D. Moon

After the printing press was introduced in 1440, handwritten manuscripts from Europe's medieval period were often destroyed and the paper used for other purposes. In one instance, pages _____ a collection of Norse tales dating to 1270 were discovered lining a bishop's miter (hat).

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

- A. from:
- B. from,
- C. from
- D. from—

In the early twentieth century, Joseph Kekuku and other Hawaiian _____ in the mainland United States to the bright and lilting sound of the *kīkī kila*, or Hawaiian steel guitar. The instrument soon became a fixture in American blues and country music.

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

- A. musicians introduced audiences
- B. musicians' introduced audiences'
- C. musician's introduced audience's
- D. musicians' introduced audiences

In 2008, two years after the death of science fiction writer Octavia Butler, the Huntington Library in _____ received a collection of more than 8,000 items, including Butler’s private notes, research materials, manuscripts, photos, and drawings. Today, the Octavia E. Butler Collection is one of the most researched archives at the library.

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

- A. California,
- B. California:
- C. California—
- D. California

Nuhād al-Ḥaddād, known as Fairuz, was one of the most beloved Lebanese singers of the twentieth century. Her broad singing repertoire—which included traditional forms, such as the Arabic *qasida* and *maqam*, alongside modern pop and jazz styles—lent Fairuz a timeless, cross-generational appeal, _____ her the moniker “the soul of Lebanon.”

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

- A. earned
- B. had earned
- C. earning
- D. earn

By the time Hawaiian king Kamehameha III _____ the throne, the number of longhorn cattle, first introduced to the islands in 1793, had drastically increased, and so too had the need for *paniolo* (Hawaiian cowboys) to manage the wild herds that then roamed throughout the volcanic terrain.

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

- A. ascended
- B. will ascend
- C. ascends
- D. is ascending

Detroit natives Timothy Paule and Nicole Lindsey have combined their two passions, Detroit and beekeeping, to improve the health of their city's flowers and other vegetation. In 2017, the couple converted a vacant lot in the city into an _____ in the years that followed they acquired nine additional lots and established more than 35 hives.

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

- A. apiary,
- B. apiary, and
- C. apiary and
- D. apiary

Archaeologists have estimated that the pre-Columbian Native American city of Cahokia, located across the Mississippi River from modern-day St. Louis, Missouri, had as many as 20,000 inhabitants in the year 1150 _____ it one of the largest cities in North America at the time.

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

- A. CE making
- B. CE. Making
- C. CE, making
- D. CE; making

In 1727, dramatist Lewis Theobald presented a new play, *Double Falsehood*, at a London theater. Theobald claimed that his drama was based on a little-known play by William Shakespeare, *Cardenio*. Many, including poet Alexander Pope, were _____ historians have determined that Shakespeare's company did perform a play called *Cardenio* in 1613.

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

- A. skeptical but
- B. skeptical, but
- C. skeptical,
- D. skeptical

The 2022 Nobel Prize in Chemistry was awarded to three pioneers in the field of click chemistry: two-time Nobel laureate Barry Sharpless, who coined the term “click chemistry” in 1998; Carolyn Bertozzi, founder of the Bertozzi Group at _____ and Morten Meldal, a professor at the University of Copenhagen in Denmark.

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

- A. Stanford
- B. Stanford,
- C. Stanford:
- D. Stanford;

In ancient Greece, an Epicurean was a follower of Epicurus, a philosopher whose beliefs revolved around the pursuit of pleasure. Epicurus defined pleasure as “the absence of pain in the body and of trouble in the _____ that all life’s virtues derived from this absence.

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

- A. soul,” positing
- B. soul”: positing
- C. soul”; positing
- D. soul.” Positing

According to Naomi Nakayama of the University of Edinburgh, the reason seeds from a dying dandelion appear to float in the air while _____ is that their porous plumes enhance drag, allowing the seeds to stay airborne long enough for the wind to disperse them throughout the surrounding area.

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

- A. falling,
- B. falling:
- C. falling;
- D. falling

Po'Pay was a Tewa leader from Ohkay Owingeh, a pueblo located about twenty-five miles north of present-day Santa Fe, New Mexico. He was instrumental in organizing the Pueblo Revolt of _____ as a result of his leadership, the Spanish colonizers were expelled from the region for a time.

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

- A. 1680
- B. 1680 and
- C. 1680,
- D. 1680, and

Swedish scientists Eva Engvall and Peter Perlmann developed a method for measuring the concentration of different proteins in a biological sample. Their _____ ELISA (enzyme-linked immunosorbent assay), is used to detect and measure proteins that indicate the presence of certain diseases.

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

- A. method (called
- B. method—called
- C. method, called
- D. method called

After winning the 1860 presidential election, Abraham Lincoln appointed Edward Bates, Salmon P. Chase, and William H. Seward to his cabinet. Lincoln's decision was surprising, since each of these men had run against him, but historians have praised it, noting that Lincoln _____ his rivals' diverse talents to strengthen his administration.

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

- A. has leveraged
- B. is leveraging
- C. will leverage
- D. leveraged

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

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

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

The Lion Light system, developed by Kenyan inventor Richard Turere, consists of LED lights installed around the perimeter of livestock pastures. Powered with _____ the blinking LEDs keep lions away at night, thus protecting the livestock without risking harm to the endangered lions.

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

- A. energy collected, by solar panels, during the day
- B. energy collected by solar panels during the day
- C. energy collected by solar panels during the day,
- D. energy, collected by solar panels during the day,

A study led by scientist Rebecca Kirby at the University of Wisconsin–Madison found that black bears that eat human food before hibernation have increased levels of a rare carbon isotope, _____ due to the higher ^{13}C levels in corn and cane sugar. Bears with these elevated levels were also found to have much shorter hibernation periods on average.

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

- A. carbon-13, (^{13}C)
- B. carbon-13 (^{13}C)
- C. carbon-13, (^{13}C),
- D. carbon-13 (^{13}C),

It is generally true that technological change is a linear process, in which once-useful technologies are replaced by new and better _____. The reawakening of interest in the steam engine (from advocates of carbon-neutral rail travel) reminds us that ostensibly obsolete technologies may be brought back into service to address society's changing needs.

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

- A. ones, even so;
- B. ones even so,
- C. ones; even so,
- D. ones, even so,

In 2017, artists Isabel and Ruben Toledo redesigned the costumes and sets for The Miami City Ballet's production of *The _____* to reviewers, the Toledos' designs helped infuse the production with elements of Miami's Latin American culture.

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

- A. *Nutcracker* according,
- B. *Nutcracker*, according
- C. *Nutcracker* according
- D. *Nutcracker*. According

Author Madeline L'Engle, _____ to create a suspenseful tone that draws the reader in, begins her novel *A Wrinkle in Time* with descriptions of “wraithlike shadows” and “the frenzied lashing of the wind.”

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

- A. looked
- B. looks
- C. is looking
- D. looking

The field of geological oceanography owes much to American _____ Marie Tharp, a pioneering oceanographic cartographer whose detailed topographical maps of the ocean floor and its multiple rift valleys helped garner acceptance for the theories of plate tectonics and continental drift.

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

- A. geologist,
- B. geologist
- C. geologist;
- D. geologist:

The 1977 play *And the Soul Shall Dance* depicts two Japanese American farming families in Depression-era Southern California. Critics have noted the way pioneering _____ compares the experiences of *issei* (Japanese nationals who emigrated to America) and *nisei* (their American-born children).

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

- A. playwright, Wakako Yamauchi,
- B. playwright, Wakako Yamauchi
- C. playwright Wakako Yamauchi,
- D. playwright Wakako Yamauchi

Rabinal Achí is a precolonial Maya dance drama performed annually in Rabinal, a town in the Guatemalan highlands. Based on events that occurred when Rabinal was a city-state ruled by a king, _____ had once been an ally of the king but was later captured while leading an invading force against him.

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

- A. *Rabinal Achí* tells the story of K'iche' Achí, a military leader who
- B. K'iche' Achí, the military leader in the story of *Rabinal Achí*,
- C. the military leader whose story is told in *Rabinal Achí*, K'iche' Achí,
- D. there was a military leader, K'iche' Achí, who in *Rabinal Achí*

In 2018, a team of researchers led by Dr. Caitlin Whalen compiled every available measurement of ocean mixing rates from the past two decades. With this novel data set, the team was able to determine how current-driven mixing varies across _____ and what impact it has on the distribution of heat and nutrients in the ocean.

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

- A. regions,
- B. regions:
- C. regions;
- D. regions

In 1994, almost 200 years after the death of Wang Zhenyi, the International Astronomical _____ the contributions of the barrier-breaking 18th-century astronomer and author of “Dispute of the Procession of the Equinoxes,” naming a crater on Venus after her.

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

- A. Union would finally acknowledge
- B. Union to finally acknowledge
- C. Union, having finally acknowledged
- D. Union, finally acknowledging

With some 16,000 in attendance, the Second World Black and African Festival of Arts and _____ or FESTAC '77, as the event was more commonly known—became the largest pan-African event on record. FESTAC drew people from around the world to Lagos, Nigeria, for a monthlong celebration of Black and African art, scholarship, and activism.

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

- A. Culture:
- B. Culture—
- C. Culture,
- D. Culture

In 1955, Indian Bengali filmmaker Satyajit Ray released his first movie, *Pather* _____ quiet black-and-white drama about a family in rural India, Ray's film was quite different from the loud, colorful action-romance movies that were popular at the time.

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

- A. *Panchali* a
- B. *Panchali*, which was a
- C. *Panchali*, a
- D. *Panchali*. A

Planetary scientist Briony Horgan and her colleagues have determined that as much as 25 percent of the sand on Mars is composed of impact spherules. These spherical bits of glass form when asteroids collide with the planet, ejecting bits of molten rock into the atmosphere that, after cooling and solidifying into glass, _____ back onto Mars's surface.

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

- A. to rain
- B. raining
- C. having rained
- D. rain

In the canon of North African literature, Moroccan author Driss Chraïbi's 1954 novel *The Simple Past* (*Le Passé simple*) looms large. A coming-of-age story, a social meditation, and a sober gaze into the dark maw of French colonialism, _____ interrogates systemic power with memorable intensity.

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

- A. Morocco gained its independence two years before the publication of Chraïbi's debut novel, which
- B. Chraïbi's debut novel, published two years before Morocco gained its independence,
- C. Chraïbi wrote a debut novel that, published two years before Morocco gained its independence,
- D. published two years before Morocco gained its independence, Chraïbi wrote a debut novel that

The haiku-like poems of Tomas Tranströmer, which present nature- and dream-influenced images in crisp, spare language, have earned the Swedish poet praise from leading contemporary _____ them Nigerian American essayist and novelist Teju Cole, who has written that Tranströmer's works "contain a luminous simplicity."

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

- A. writers. Among
- B. writers among
- C. writers; among
- D. writers, among

The artistic talents of Barbara Chase-Riboud, most known for her 1979 historical novel *Sally Hemings* and the conversation it inspired, _____ limited to the realm of prose: she first excelled in sculpture, where her affinity for bronze—a material she described as “timeless” due to its use across eras and cultures—became part of her artistic identity.

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

- A. hasn't been
- B. wasn't
- C. isn't
- D. aren't

Ten of William Shakespeare's plays are classified as histories. Although each one of these plays, which include *Henry V* and *Richard III*, _____ on a single historical figure (specifically, an English king), some, such as *Henry VI Part One* and *Henry VI Part Two*, feature different episodes from the same monarch's life.

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

- A. focuses
- B. focus
- C. are focused
- D. were focused

When they were first discovered in Australia in 1798, duck-billed, beaver-tailed platypuses so defied categorization that one scientist assigned them the name *Ornithorhynchus paradoxus*: “paradoxical bird-snout.” The animal, which lays eggs but also nurses _____ young with milk, has since been classified as belonging to the monotremes group.

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

- A. they’re
- B. their
- C. its
- D. it’s

Known as Earth’s “living skin,” biocrusts are thin layers of soil held together by surface-dwelling microorganisms such as fungi, lichens, and cyanobacteria. Fortifying soil in arid ecosystems against erosion, _____

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

- A. a recent study’s estimate is that these crusts reduce global dust emissions by 60 percent each year.
- B. an estimated 60 percent reduction in global dust emissions each year is due to these crusts, according to a recent study.
- C. these crusts reduce global dust emissions by an estimated 60 percent each year, according to a recent study.
- D. a recent study has estimated that these crusts reduce global dust emissions by 60 percent each year.

In 2015, a team led by materials scientists Anirudha Sumant and Diana Berman succeeded in reducing the coefficient of friction (COF) between two surfaces to the lowest possible level—superlubricity. A nearly frictionless (and, as its name suggests, extremely slippery) state, _____

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

- A. when their COF drops below 0.01, two surfaces reach superlubricity.
- B. two surfaces, when their COF drops below 0.01, reach superlubricity.
- C. reaching superlubricity occurs when two surfaces' COF drops below 0.01.
- D. superlubricity is reached when two surfaces' COF drops below 0.01.

In paleontology, the term “Elvis taxon” gets applied to a newly identified living species that was once presumed to be extinct. Like an Elvis impersonator who might bear a striking resemblance to the late musical icon Elvis Presley himself, an Elvis taxon is not the real thing, _____ is a misidentified look-alike.

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

- A. however but it
- B. however it
- C. however, it
- D. however. It

In 2018, the innovative works of Congolese sculptor and architect Bodys Isek _____ were featured in *City Dreams*, a solo exhibition at New York's Museum of Modern Art.

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

- A. Kingelez;
- B. Kingelez,
- C. Kingelez
- D. Kingelez: