

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  $^{13}\text{C}$  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, ( $^{13}\text{C}$ )
- B. carbon-13 ( $^{13}\text{C}$ )
- C. carbon-13, ( $^{13}\text{C}$ ),
- D. carbon-13 ( $^{13}\text{C}$ ),

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—

After a spate of illnesses as a child, Wilma Rudolph was told she might never walk again. Defying all odds, Rudolph didn't just walk, she \_\_\_\_\_ the 1960 Summer Olympics in Rome, she won both the 100- and 200-meter dashes and clinched first place for her team in the 4x100-meter relay, becoming the first US woman to win three gold medals in a single Olympics.

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

- A. ran—fast—during
- B. ran—fast during
- C. ran—fast, during
- D. ran—fast. During

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

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

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

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

Santa Clara Pueblo artist Roxanne Swentzell's sculpture *Mud Woman Rolls On* consists of five human figures made of clay and plant fiber and arranged in descending size; each figure holds the smaller one in front of it. The arrangement of the figures, according to \_\_\_\_\_ represents her idea that "we all come from the Earth, generation after generation."

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

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



Nine months before Rosa Parks made history by refusing to comply with the segregated seating policy on a Montgomery, Alabama, bus, a fifteen-year-old Montgomery girl named Claudette Colvin was arrested for the same \_\_\_\_\_ to some historians, Colvin's arrest led to Parks's action and eventually to the desegregation of Montgomery's bus system.

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

- A. offense. According
- B. offense, according
- C. offense according
- D. offense and according

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

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,

Humans were long thought to have begun occupying the Peruvian settlement of Machu Picchu between 1440 and 1450 CE. However, a team led by anthropologist Dr. Richard Burger used accelerator mass spectrometry to uncover evidence that it was occupied \_\_\_\_\_ 1420 CE, according to Burger, humans were likely inhabiting the area.

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

- A. earlier. In
- B. earlier, in
- C. earlier, which in
- D. earlier in

Materials scientist Marie-Agathe Charpagne and her colleagues believed they could improve on the multicomponent alloy NiCoCr, an equal-proportions mixture of nickel (Ni), cobalt (Co), and chromium (Cr), by replacing chromium with ruthenium \_\_\_\_ the alloy that resulted, NiCoRu, turned out to be an unsuitable replacement for NiCoCr.

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

- A. (Ru)
- B. (Ru) but
- C. (Ru),
- D. (Ru), but

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

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

Luci Tapahonso is the inaugural poet laureate of the Navajo Nation. Her book *Sáanii Dahataal/The Women Are Singing*—a combination of fiction and memoir, poetry and \_\_\_\_\_ serves as a testament to her versatility as a writer.

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

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



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

How do scientists determine what foods were eaten by extinct hominins such as Neanderthals? In the past, researchers were limited to studying the marks found on the fossilized teeth of skeletons, but in 2017 a team led by Laura Weyrich of the Australian Centre for Ancient DNA tried something \_\_\_\_\_ the DNA found in Neanderthals' fossilized dental plaque.

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

- A. new: sequencing
- B. new; sequencing
- C. new, sequencing:
- D. new. Sequencing

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,

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

On April 5, 1977, Kitty Cone and 150 other disability rights activists entered a San Francisco federal building. After pleading for years—to no effect—for the passage of key antidiscrimination legislation, \_\_\_\_\_ until their demands were addressed. Finally, on April 28, the legislation was signed.

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

- A. pressure on lawmakers increased when the activists staged a sit-in protest
- B. a sit-in protest staged by the activists increased pressure on lawmakers
- C. lawmakers came under increased pressure when the activists staged a sit-in protest
- D. the activists increased pressure on lawmakers by staging a sit-in protest

Classical composer Florence Price’s 1927 move to Chicago marked a turning point in her career. It was there that Price premiered her First Symphony—a piece that was praised for blending traditional Romantic motifs with aspects of Black folk music—and \_\_\_\_\_ supportive relationships with other Black artists.

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

- A. developing
- B. developed
- C. to develop
- D. having developed

Far from being modern inventions, \_\_\_\_\_ more than 5,000 years ago.

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

- A. Sumerians in ancient Mesopotamia used drinking straws
- B. drinking straws were used by Sumerians in ancient Mesopotamia
- C. the use of drinking straws by Sumerians in ancient Mesopotamia happened
- D. ancient Mesopotamia was home to Sumerians who used drinking straws



The human brain is primed to recognize faces—so much so that, due to a perceptual tendency called pareidolia, \_\_\_\_\_ will even find faces in clouds, wooden doors, pieces of fruit, and other faceless inanimate objects. Researcher Susan Magsamen has focused her work on better understanding this everyday phenomenon.

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

- A. she
- B. they
- C. it
- D. those

Official measurements of the Mississippi River's length vary: according to the US Geologic Survey, the river is 2,300 miles long, whereas the Environmental Protection Agency records its length as 2,320 miles. This disparity can be explained in part by the fact that rivers such as the Mississippi expand and contract as \_\_\_\_\_ sediment.

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

- A. they accumulate
- B. one accumulates
- C. it accumulates
- D. we accumulate

Slam poet Elizabeth Acevedo's debut novel *The Poet X*, winner of the 2018 National Book Award for Young People's Literature, is composed of \_\_\_\_\_ protagonist, fifteen-year-old Xiomara Batista.

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

- A. poems putatively written by the novel's
- B. poem's putatively written by the novel's
- C. poem's putatively written by the novels'
- D. poems putatively written by the novels'

Inventor John Friedman created a prototype of the first flexible straw by inserting a screw into a paper straw and, using dental floss, binding the straw tightly around the \_\_\_\_\_. When the floss and screw were removed, the resulting corrugations in the paper allowed the straw to bend easily over the edge of a glass.

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

- A. screw's thread's.
- B. screws' threads.
- C. screw's threads.
- D. screws threads'.

Oglala Lakota poet Layli Long Soldier's star quilt poems offer an unusually open-ended reading experience. With \_\_\_\_\_ eight panels of text stitched together in the shape of a traditional eight-pointed Lakota star quilt, the poems present viewers with a seemingly infinite number of ways to read them.

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

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

“Praise Song for the Day,” Elizabeth Alexander’s 2009 inaugural poem, asserts that “We cross dirt roads and highways...to see what’s on the other side.” Alexander’s use of “we” \_\_\_\_\_ Americans’ collective efforts and shared desire to seek new opportunity.

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

- A. evokes
- B. are evoking
- C. have evoked
- D. evoke

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

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



A pioneer in the field of taphonomy (the study of how organic remains become fossils), \_\_\_\_\_ may be just as prevalent in the fossil record as those of thick-shelled organisms.

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

- A. fossils of thin-shelled organisms, Anna Behrensmeyer demonstrated in a 2005 analysis,
- B. Anna Behrensmeyer demonstrated in a 2005 analysis that fossils of thin-shelled organisms
- C. it was demonstrated in a 2005 analysis by Anna Behrensmeyer that fossils of thin-shelled organisms
- D. a 2005 analysis—by Anna Behrensmeyer—demonstrated that fossils of thin-shelled organisms

Because a cycle of lunar phases \_\_\_\_\_ 29.5 days to complete, it's possible to observe two full moons in a single month, one at the beginning and one at the end.

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

- A. are taking
- B. have taken
- C. take
- D. takes

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