### ID: 74ce2f05

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 <sup>13</sup>C levels in corn and cane sugar. Bears with these elevated levels were also found to have much shorter hibernation periods on average.

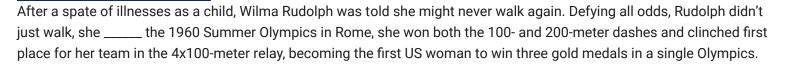
- A. carbon-13, (<sup>13</sup>C)
- B. carbon-13 (<sup>13</sup>C)
- C. carbon-13, (<sup>13</sup>C),
- D. carbon-13 (<sup>13</sup>C),

# ID: 7f48b098

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?	
which choice completes the text so that it comorns to the conventions of standard English:	

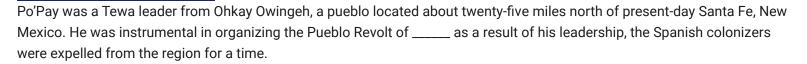
- A. nutrients
- B. nutrients and
- C. nutrients,
- D. nutrients-

### ID: 0f39b19c



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

### ID: 083a35dc



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

## ID: be34a3df

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

### ID: 8f6d6ae6

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.

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

## ID: 870ae7ec

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.

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

## ID: b0a525be

Santa Clara Pueblo artist Roxanne Swentzell's sculpture <i>Mud Woman Rolls On</i> consists of five human figures made of clar 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—

### ID: eef91a50

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.

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

### ID: 2c84f96a

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.

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

# ID: 548f4956

t is generall	y true that technological change is a linear process, in which once-useful technologies are replaced by new and
oetter	the reawakening of interest in the steam engine (from advocates of carbon-neutral rail travel) reminds us that
ostensibly o	bsolete technologies may be brought back into service to address society's changing needs.

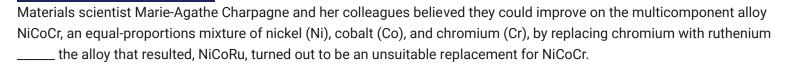
- A. ones, even so;
- B. ones even so,
- C. ones; even so,
- D. ones, even so,

## ID: 67667d72

Humans were long th	lought 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.

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

### ID: b6560e5a



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

# ID: 403d7bb5

D. falling

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;			

### ID: 6b49f5f1

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.

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

# ID: 40c3589d

Luci Tapahonso is the inaugural poet laureate of the Navajo Nation. Her book <i>Sáanii Dahataal/The Women Are Singing</i> —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—

## ID: c8540a5b

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.

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

# ID: c101fc44

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	f 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

### ID: a427a52c

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.

- 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,

# ID: c04e9136

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

### ID: fe41f258

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

### ID: 6f08641e

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.

- 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

### ID: b74f676f



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

### ID: 684b8bd2

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

- 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

## ID: c52652c9

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 Magsam	ıen
has focused her work on better understanding this everyday phenomenon.	

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

### ID: 36944347

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.

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

### ID: 8d53e7a0

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.

- 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'

## ID: d2cf0e11

ntor John Friedman created a prototype of the first flexible straw by inserting a screw into a paper straw and, using
tal floss, binding the straw tightly around the When the floss and screw were removed, the resulting corrugations
e paper allowed the straw to bend easily over the edge of a glass.
ch 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'.

# ID: 0bcb4417

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

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

# ID: c8607bdf

C. have evoked

D. evoke

"Praise Song for the Day," Elizabeth Alexander's 2009 inaugural poem, asserts that "We cross dirt roads and highwaysto 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

# ID: db2e480a

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 ther
roamed throughout the volcanic terrain.

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

# ID: a30567fd

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

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

### ID: cd2443c0

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.

- 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

# ID: e44db0a0

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.	

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

## ID: 67614549

After winning the 1860 presidential	election, Abraham Lincoln appointed Edward Bates, Salmon P. Chase, and William H.
Seward to his cabinet. Lincoln's dec	ision 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.

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