

# SAT Reading & Writing

## Rhetorical Synthesis 1

### Question # ID

- 1.1** e2693197 While researching a topic, a student has taken the following notes:
- *Oracles of the Pink Universe* was a 2021 exhibition at the Denver Museum of Art in Colorado.
  - It featured eight artworks by South African artist Simphiwe Ndzube.
  - One of these works is a painting titled *Assertion of Will*.
  - *Assertion of Will* depicts three standing figures.
  - The figures wear clothing made of fabric pieces stitched to the painting's canvas.
- The student wants to describe how fabric is used in *Assertion of Will*. Which choice most effectively uses relevant information from the notes to accomplish this goal?
- A. In *Assertion of Will*, the figures' clothing is made of fabric pieces stitched to the painting's canvas.
- B. The exhibition *Oracles of the Pink Universe* featured artworks by artist Simphiwe Ndzube.
- C. Depicting three standing, clothed figures, *Assertion of Will* is a painting by Simphiwe Ndzube.
- D. Simphiwe Ndzube's *Assertion of Will* was one of eight artworks exhibited in *Oracles of the Pink Universe* at the Denver Museum of Art.
- 1.2** ca4ff52d While researching a topic, a student has taken the following notes:
- Muslims are woven cotton fabrics with a variety of uses.
  - Dhaka muslin is a handmade fabric produced in Dhaka, Bangladesh.
  - It has an extremely fine weave and is primarily used to make luxury clothing.
  - Sheet muslin is a machine-made fabric produced in factories.
  - It has a coarse weave and is primarily used to upholster furniture and create backdrops for theater sets.
- The student wants to emphasize a difference between the two muslins. Which choice most effectively uses relevant information from the notes to accomplish this goal?
- A. Dhaka muslin is a handmade fabric with an extremely fine weave, while sheeting muslin is machine made with a coarse weave.
- B. Dhaka muslin and sheeting muslin are two different types of woven cotton fabrics.
- C. Muslins can be used in a variety of ways, from making luxury clothing to upholstering furniture and creating backdrops for theater sets.
- D. Sheet muslin is machine made, has a coarse weave, and is used for furniture and theater sets.
- 1.3** 296801d2 While researching a topic, a student has taken the following notes:
- The Azores is a group of islands about 870 miles off the coast of Portugal.
  - Historians have long believed that in the fifteenth century Portuguese mariners were the first humans to populate the Azores.
  - A 2015 study coauthored by Sofia Gabriel and Maria da Luz Mathias found that Vikings from Scandinavia may have populated the Azores as early as the ninth century.
  - The researchers found a genetic connection between house mice in the Azores and house mice in Scandinavia.
  - House mice may have traveled from Scandinavia to the Azores on Viking ships.
- The student wants to specify who may have first populated the Azores, according to the 2015 study. Which choice most effectively uses relevant information from the notes to accomplish this goal?
- A. Historians have long believed that the first humans to populate the Azores, a group of islands about 870 miles off the coast of Portugal, arrived in the fifteenth century.
- B. Portuguese mariners may not have been the first humans to populate the Azores.
- C. In their 2015 study, the researchers found a genetic connection between house mice in the Azores and those in Scandinavia.
- D. According to a 2015 study, the first humans to populate the Azores may have been Vikings from Scandinavia, not mariners from Portugal as previously believed.

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1.4 a3204ab0

While researching a topic, a student has taken the following notes:

- Yellowstone is a national park in the northwest United States.
- In 1995, gray wolves were reintroduced into the park.
- Since then, the number of gray wolves in the park has stabilized at roughly 100.
- This number is believed to be the park's carrying capacity.
- Carrying capacity describes the maximum number of a species that a specific environment's resources can sustain over time.

The student wants to specify the number of gray wolves in Yellowstone. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. Gray wolves were reintroduced into Yellowstone, a national park in the northwest United States, in 1995.
- B. As of 1995, there were gray wolves living in Yellowstone, a national park in the northwest United States.
- C. The carrying capacity of an environment, such as Yellowstone, describes the maximum number of species that the environment can sustain over time.
- D. Yellowstone is a national park that has roughly 100 gray wolves living in it.

1.5 00460c13

While researching a topic, a student has taken the following notes:

- Novelist Willa Cather grew up in Nebraska and attended the University of Nebraska-Lincoln.
- Some of Cather's best-known novels are set in Nebraska.
- Two such novels are *O Pioneers!* (1913) and *My Ántonia* (1918).
- Cather's novels describe the experiences of immigrants who settled in the Great Plains.

The student wants to identify the setting of Cather's novel *My Ántonia*. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. *My Ántonia* is set in Nebraska, where Cather grew up.
- B. Cather, author of *My Ántonia*, described the experiences of immigrants in her novels.
- C. Among Cather's best-known novels are *O Pioneers!* (1913) and *My Ántonia* (1918).
- D. Cather attended the University of Nebraska-Lincoln and set some of her novels in Nebraska.

1.6 f4b63a04

While researching a topic, a student has taken the following notes:

- In 2013, paleontology professor Hesham Sallam and his students from Mansoura University in Egypt made a discovery.
- The team found a partial dinosaur skeleton at a site in Egypt's Dakhla Oasis.
- The skeleton belonged to a dinosaur species that lived approximately 80 million years ago.
- The new species was named *Mansourasaurus* to recognize the team that discovered it.

The student wants to explain the origin of the species' name. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. *Mansourasaurus*, a new species discovered in Egypt in 2013, lived approximately 80 million years ago.
- B. A partial dinosaur skeleton found in Egypt's Dakhla Oasis belonged to a species named *Mansourasaurus*.
- C. *Mansourasaurus*, a species that lived approximately 80 million years ago, was discovered in 2013 by Egyptian paleontologist Hesham Sallam and a team of university students.
- D. The new species was named *Mansourasaurus* to recognize the team that discovered it, a professor and students from Mansoura University.

# SAT Reading & Writing

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1.7	1792fa73
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While researching a topic, a student has taken the following notes:

- The tundra is a type of environment characterized by especially harsh winter conditions.
- Winter temperatures in the tundra average a frigid –30 degrees Fahrenheit.
- Animals that have adapted to these conditions can survive tundra winters.
- During the tundra's short growing season, average temperatures can reach a relatively mild 54 degrees Fahrenheit.
- Around 1,700 different kinds of plants are able to grow in the tundra.

The student wants to emphasize how harsh the conditions can be in the tundra. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. Winters in the tundra are especially harsh, with temperatures averaging a frigid –30 degrees Fahrenheit.
- B. Animals that have adapted to harsh winter conditions can survive tundra winters.
- C. There are around 1,700 different kinds of plants that can live in the tundra, where average temperatures can reach a mild 54 degrees Fahrenheit.
- D. Along with animals that have adapted to the tundra's conditions, around 1,700 different kinds of plants can live in the tundra.

1.8	ff3865b3
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While researching a topic, a student has taken the following notes:

- A wok is a cooking pan that originated in China during the Han dynasty (206 BCE–220 CE).
- The wok's round, wide base helps to cook food evenly.
- The wok's high, angled sides help to contain oil splatters.
- Grace Young is a cook and culinary historian.
- Her book *The Breath of a Wok* (2004) traces the history of the wok.

The student wants to describe the wok's shape. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. Grace Young's 2004 book, *The Breath of a Wok*, traces the history of the cooking pan.
- B. Able to cook food evenly and contain oil splatters, the wok is the subject of Grace Young's 2004 book.
- C. A wok is a cooking pan with a round, wide base and high, angled sides.
- D. The design of a wok, a type of cooking pan that originated in China during the Han dynasty, helps the pan cook food evenly and contain oil splatters.

1.9	6b5bc97d
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While researching a topic, a student has taken the following notes:

- The Sasanian Empire lasted about 400 years (AD 224 to AD 651).
- The Sasanians controlled an area spanning 1.4 million square miles.
- This area included present-day Iran and Iraq.
- The empire's capital was the ancient city of Ctesiphon.
- Ctesiphon was located near present-day Baghdad, Iraq.

The student wants to specify the location of Ctesiphon. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. The Sasanian Empire began in AD 224 and ended in AD 651.
- B. The capital of the Sasanian Empire, which spanned 1.4 million square miles, was Ctesiphon.
- C. The Sasanians controlled an area of 1.4 million square miles, including present-day Iran and Iraq.
- D. Ctesiphon, the capital of the Sasanian Empire, was located near present-day Baghdad, Iraq.

# SAT Reading & Writing

## Rhetorical Synthesis 1

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| 1.10 | fbfffb352 | <p>While researching a topic, a student has taken the following notes:</p> <ul style="list-style-type: none"><li>• Archaeologist Dr. Sada Mire founded the Horn Heritage Foundation to preserve the cultural history of regions in the Horn of Africa.</li><li>• Horn Heritage has overseen a preservation project to create 3D digital scans of ancient rock art in Somaliland.</li><li>• Paintings found at the Laas Geel caves are included in the scans.</li><li>• The Laas Geel paintings feature human figures and animals.</li><li>• Paintings found at the Dhagah Nabi Galay caves are included in the scans.</li><li>• The Dhagah Nabi Galay caves feature what are thought to be the earliest examples of writing in East Africa.</li></ul> <p>The student wants to emphasize a similarity between the Laas Geel paintings and the Dhagah Nabi Galay paintings. Which choice most effectively uses relevant information from the notes to accomplish this goal?</p> <p>A. The earliest examples of writing in East Africa are thought to be featured in the paintings at the Dhagah Nabi Galay caves in Somaliland.</p> <p>B. The paintings at the Dhagah Nabi Galay caves feature examples of writing, while those at the Laas Geel caves feature humans and animals.</p> <p>C. In Somaliland, the paintings in the Laas Geel caves feature human figures and animals.</p> <p>D. The Laas Geel paintings and the Dhagah Nabi Galay paintings are both examples of ancient rock art found in Somaliland.</p> |
| 1.11 | ba263620  | <p>While researching a topic, a student has taken the following notes:</p> <ul style="list-style-type: none"><li>• In 1897, African American inventor Andrew Beard invented an automatic coupler.</li><li>• It improved on the existing design of train car couplers.</li><li>• It made the job of connecting train cars safer.</li><li>• In 1938, African American inventor Frederick Jones invented a mobile refrigeration system.</li><li>• It improved on the existing design of food transport trucks.</li><li>• It enabled trucks to carry perishable foods farther.</li></ul> <p>The student wants to emphasize a similarity between Beard's invention and Jones's invention. Which choice most effectively uses relevant information from the notes to accomplish this goal?</p> <p>A. Beard's automatic coupler and Jones's mobile refrigeration system both improved on existing designs.</p> <p>B. In 1897, Beard invented an automatic coupler, which made the job of connecting train cars safer.</p> <p>C. Beard's invention made the job of connecting train cars safer, whereas Jones's invention enabled food transport trucks to carry perishables farther.</p> <p>D. Jones's mobile refrigeration system, which he invented in 1938, made it possible for food transport trucks to carry perishable foods farther.</p>  |
| 1.12 | eaded344  | <p>While researching a topic, a student has taken the following notes:</p> <ul style="list-style-type: none"><li>• The painter Frida Kahlo is one of the most influential artists of the twentieth century.</li><li>• She was born in Coyoacán, Mexico, in 1907.</li><li>• She is best known for her vivid and richly symbolic self-portraits.</li><li>• <i>The Two Fridas</i> (1939) features two versions of Kahlo sitting together.</li><li>• One version wears a European-style dress and the other a traditional Tehuana dress.</li></ul> <p>The student wants to introduce Kahlo to an audience unfamiliar with the artist. Which choice most effectively uses relevant information from the notes to accomplish this goal?</p> <p>A. Known for being vivid and richly symbolic, Frida Kahlo's self-portraits include <i>The Two Fridas</i> (1939).</p> <p>B. The 1939 painting <i>The Two Fridas</i> is one example of a self-portrait by Frida Kahlo.</p> <p>C. One painting by Frida Kahlo features two versions of herself, with one version wearing a European-style dress and the other a traditional Tehuana dress.</p> <p>D. One of the most influential artists of the twentieth century, Mexican painter Frida Kahlo is best known for her self-portraits, which are vivid and richly symbolic.</p>  |

# SAT Reading & Writing

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### Question # ID

1.13 e3484c07

While researching a topic, a student has taken the following notes:

- Bioluminescence is the emission of light by living organisms.
- This light is produced by chemical reactions in organisms' cells.
- Jellyfish emit flashes of blue light.
- This behavior serves to startle predators.
- Black dragonfish emit a steady red light.
- This behavior helps them locate prey in deep waters.

The student wants to emphasize a difference between the behavior of jellyfish and that of black dragonfish.

Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. Both jellyfish and black dragonfish are organisms that emit light, which is produced by chemical reactions in these organisms' cells.
- B. Black dragonfish emit a steady red light, which helps them locate prey in deep waters.
- C. Bioluminescence, the emission of light by living organisms, results from chemical reactions in organisms' cells.
- D. Jellyfish emit light to startle predators, whereas black dragonfish do so to locate prey.

1.14 d7f31e68

While researching a topic, a student has taken the following notes:

- Annie Wu is a prominent American flutist who graduated from the New England Conservatory.
- She has won multiple national flute competitions.
- She is best known for a 2011 YouTube video that has been viewed over two million times.
- The video shows her performing *Three Beats for Beatbox Flute*, an original work by composer Greg Pattillo.
- Wu combines flute playing and beatboxing in the video.

The student wants to emphasize Wu's most well-known achievement. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. Annie Wu, who has won multiple national flute competitions, has also combined flute playing and beatboxing.
- B. Among her many achievements, prominent American flutist Annie Wu graduated from the New England Conservatory and has won multiple national flute competitions.
- C. Annie Wu is best known for a 2011 YouTube video performance of *Three Beats for Beatbox Flute* that has been viewed over two million times.
- D. Composer Greg Pattillo's original work *Three Beats for Beatbox Flute* combines flute playing and beatboxing.

1.15 25adba4e

While researching a topic, a student has taken the following notes:

In 1897, twenty Black US Army infantrymen rode bicycles from Montana to Missouri.

The 1,900-mile journey took forty-one days. The goal was to test the idea of forming a military bicycle corps.

In 2022, Erick Cedeño, a Black long-distance cyclist, reenacted the journey.

Cedeño wanted to honor the infantrymen on the journey's 125th anniversary.

The student wants to emphasize how far the infantrymen traveled. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. The US infantrymen rode their bicycles from Montana to Missouri—traveling a total of 1,900 miles.
- B. The 125th anniversary of the infantrymen's journey was in 2022.
- C. The goal of the 1897 journey was to test the idea of forming a military bicycle corps.
- D. Over a century later, Erick Cedeño honored the infantrymen by reenacting their 1897 journey.

# SAT Reading & Writing

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- 1.16** d436a2b2 While researching a topic, a student has taken the following notes:  
Komodo dragons are the largest lizards in the world. They live on four islands in Komodo National Park, Indonesia.  
The park has a total of twenty-nine islands.
- The student wants to emphasize how many islands in Komodo National Park have Komodo dragons living on them. Which choice most effectively uses relevant information from the notes to accomplish this goal?
- A. Komodo dragons, the world's largest lizards, live on islands in Komodo National Park, Indonesia.  
B. The largest lizards in the world are found in Komodo National Park.  
C. Only four of the twenty-nine islands in Komodo National Park have Komodo dragons living on them.  
D. There are twenty-nine islands in Indonesia's Komodo National Park.
- 1.17** 7f2781fd While researching a topic, a student has taken the following notes:
- *Certhidea olivacea* is a perching bird that can be found on the Galápagos Island of Pinzón.
  - *Creagrus furcatus* is a seabird that can be found on the Galápagos Island of Darwin.
  - Conservation organizations evaluate the risk that species will become extinct in the near future.
  - *C. olivacea* faces a high risk of extinction.
  - *C. furcatus* faces little risk of becoming extinct in the near future.
- The student wants to compare the extinction risk faced by *C. olivacea* with that faced by *C. furcatus*. Which choice most effectively uses relevant information from the notes to accomplish this goal?
- A. According to conservation organizations, *C. olivacea* has a higher risk of becoming extinct in the near future than *C. furcatus*.  
B. *C. furcatus* faces a high risk of extinction, while *C. olivacea* faces little risk of becoming extinct in the near future.  
C. Conservation organizations have evaluated both *C. furcatus*'s and *C. olivacea*'s risk of becoming extinct in the near future.  
D. *C. olivacea* is a perching bird that faces a high risk of extinction.
- 1.18** 00bb356a While researching a topic, a student has taken the following notes:
- Miguel Luciano is a multimedia visual artist.
  - One of his sculptures is *Double Phantom/EntroP.R.* (2017).
  - The work consists of two red Schwinn Phantom bicycles that he fused together.
  - The bicycles face opposite directions.
  - The bicycles share the same rear wheel.
- The student wants to describe how the bicycles in *Double Phantom/EntroP.R.* are fused together. Which choice most effectively uses relevant information from the notes to accomplish this goal?
- A. To create the sculpture *Double Phantom/EntroP.R.*, Miguel Luciano fused together two Schwinn Phantom bicycles.  
B. There are two red Schwinn Phantom bicycles in the sculpture *Double Phantom/EntroP.R.*.  
C. The two red bicycles in *Double Phantom/EntroP.R.* are fused together so that they share the same rear wheel while facing opposite directions.  
D. *Double Phantom/EntroP.R.* is a sculpture created by multimedia visual artist Miguel Luciano.

# SAT Reading & Writing

## Rhetorical Synthesis 1

### Question # ID

- 1.19** 54227b8e While researching a topic, a student has taken the following notes:
- The mountain pygmy possum is a mammal species.
  - Up until 1966, it was believed to be extinct.
  - That year, a live mountain pygmy possum was identified in the wild in Australia.
  - The mountain pygmy possum is considered a Lazarus species.
  - “Lazarus species” is a term for living species of organisms that were once believed to be extinct.
- The student wants to define the term “Lazarus species” and provide an example of one. Which choice most effectively uses relevant information from the notes to accomplish these goals?
- A. The term “Lazarus species” describes a living species of organism, such as the mountain pygmy possum, that was once believed to be extinct.
- B. One example of a Lazarus species is the mountain pygmy possum, a mammal species that was identified in the wild in Australia in 1966.
- C. The mountain pygmy possum, a species of mammal, was identified in the wild in 1966.
- D. Sometimes, a species once believed to be extinct is later found living in the wild.
- 1.20** 25a197dd While researching a topic, a student has taken the following notes:
- The human body requires magnesium for over 300 essential processes.
  - Magnesium is a mineral present in many foods.
  - Peanuts contain 49 milligrams per ounce (mg/oz) of magnesium.
  - Almonds contain 80 mg/oz.
  - Chia seeds contain 150 mg/oz.
- The student wants to identify which of the three foods has the highest magnesium content. Which choice most effectively uses relevant information from the notes to accomplish this goal?
- A. At 80 mg/oz, almonds contain more magnesium than peanuts (49 mg/oz).
- B. Chia seeds contain 150 mg/oz of magnesium, which is more than peanuts and almonds.
- C. Magnesium is present in many foods, including peanuts, almonds, and chia seeds.
- D. Peanuts contain 49 mg/oz of magnesium, a mineral the human body requires for over 300 essential processes.
- 1.21** 064c8999 While researching a topic, a student has taken the following notes:
- The Haber-Bosch process is an industrial process used to manufacture ammonia ( $\text{NH}_3$ ).
  - It was invented by chemists Fritz Haber and Carl Bosch in 1910.
  - The process’s primary reaction combines nitrogen ( $\text{N}_2$ ) from the air with hydrogen ( $\text{H}_2$ ).
  - It requires an iron catalyst and high temperatures and pressures.
  - Most of the ammonia produced by this process is used in fertilizers.
- The student wants to provide an overview of the Haber-Bosch process. Which choice most effectively uses relevant information from the notes to accomplish this goal?
- A. The Haber-Bosch process needs nitrogen, hydrogen, and an iron catalyst.
- B. The Haber-Bosch process uses an iron catalyst along with high temperatures and pressures to manufacture ammonia from nitrogen and hydrogen.
- C. Chemists Fritz Haber and Carl Bosch invented an industrial process to manufacture ammonia to be used in fertilizers.
- D. In 1910, chemists Fritz Haber and Carl Bosch invented the Haber-Bosch process, which requires high temperatures and pressures.

# SAT Reading & Writing

## Rhetorical Synthesis 1

Question #	ID
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1.22	af76771f
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While researching a topic, a student has taken the following notes:

- Sue is the nickname of a dinosaur fossil specimen housed at the Field Museum of Natural History.
- The Field Museum of Natural History is located in Chicago, Illinois.
- Sue is a member of the genus *Tyrannosaurus*.
- Big Mike is the nickname of a dinosaur fossil specimen housed at the Museum of the Rockies.
- The Museum of the Rockies is located in Bozeman, Montana.
- Big Mike is a member of the genus *Tyrannosaurus*.

The student wants to emphasize a similarity between the two specimens. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. The Field Museum of Natural History, where Sue is housed, is located in Chicago, Illinois.
- B. Big Mike is the nickname of a *Tyrannosaurus* fossil specimen housed at the Museum of the Rockies in Bozeman, Montana.
- C. The dinosaur fossil specimens Sue and Big Mike are both members of the genus *Tyrannosaurus*.
- D. While Sue is housed at the Field Museum of Natural History, Big Mike is housed at the Museum of the Rockies.