

SAT Reading and Writing

Week 2

<p>1.</p> <p>Considered to be trendy social events in the mid-19th century, _____. Martha kept detailed records of her experiences in the American frontier for over three decades.</p>	<p>1. Which choice completes the text so that it conforms to the conventions of Standard English?</p> <ul style="list-style-type: none">A. the journal entries of a midwife named martha Ballard documented quilting beesB. a midwife named Martha Ballard documented quilting bees in her diaryC. Martha Ballard, a midwife, documented quilting bees in her diaryD. Quilting bees were documented in the diary of a midwife named Martha Ballard
<p>2.</p> <p>Palm oil is an edible vegetable oil that is commonly used in a wide variety of consumer products, including food, cosmetics, and household cleaning _____. Its production has been linked to deforestation, habitat destruction, and other environmental and social issues.</p>	<p>2. Which choice best completes the text so that it conforms to the conventions of Standard English?</p> <ul style="list-style-type: none">A. products, however,B. products howeverC. products. HoweverD. products. However,
<p>3.</p> <p>The early Italian Renaissance painter Sandro Botticelli was a respected painter with his own workshop and apprentices, but after his death, his work was mostly disregarded. It was only in the late 19th century that the Pre-Raphaelites rediscovered its beauty. _____ his artwork reclaimed its rightful place in the annals of art history.</p>	<p>3. Which choice completes the text with the most logical transition?</p> <ul style="list-style-type: none">A. Subsequently,B. To illustrate,C. Lastly,D. Meanwhile,

4.

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

- Photosynthesis is the process by which plants convert light energy into chemical energy, using carbon dioxide (CO_2) and H_2O from the air and soil to produce simple sugars that plants can use.
- Emerged plants grow above the water surface to extract CO_2 from the air, but their roots are submerged in the water or in damp soil near water.
- Floating-leaved plants are rooted in the soil at the bottom of a body of water, but their leaves float on the surface of the water to extract CO_2 from the air.
- Terrestrial plants grow on land, in soil, or in other types of substrates to extract CO_2 from the air.
- Submersed plants grow completely underwater, with leaves and stems that have adapted to living in aquatic environments, so they are able to extract CO_2 from the water.

4. The student wants to explain how the photosynthesis process might differ depending on plant type. Which choice most effectively uses relevant information from the notes to accomplish this goal?

- A. Emerged plants, floating-leaved plants, and terrestrial plants extract CO_2 from the air, while submersed plants extract it from the water.
- B. Plants that live in water are able to extract the CO_2 needed for photosynthesis from the water.
- C. Photosynthesis is a process that converts light energy into chemical energy; all kinds of plants undergo this process.
- D. Terrestrial plants convert CO_2 from the air into energy in a process known as photosynthesis.

5.

Alison Saar is an American mixed-media artist known for her provocative works that explore race, gender, and identity. Themes in her creations often revolve around the African diaspora and representation of non-Western cultures of people who were forcibly removed from their homeland. By _____ these cultures' traditions, myths, and rituals in her work, Saar sought to challenge the dominant narratives of Western art history and to create a space for the perspectives and experiences of marginalized groups.

5. Which choice completes the text with the most logical and precise word or phrase?

- A. reimagining
- B. incorporating
- C. constructing
- D. Exhibiting

6.

Text 1

Electrophysiology measures neuron activity in the brain in real time and provides direct information about the underlying electrical signals. Electrophysiological techniques can reveal details about how individual neurons or small groups of neurons communicate with each other and allow for the direct measurement of neural signaling. However, interpreting the results of electrophysiology experiments can be challenging, as the signals produced by neurons are complex and can be affected by many factors, such as interference from nearby neurons.

Text 2

Functional magnetic resonance imaging (fMRI) studies brain activity by monitoring changes in blood flow, helping researchers to identify which areas of the brain are active when a person is performing a specific task, experiencing a certain emotion, or engaging in a certain behavior. While fMRI can detect changes in brain activity in specific regions, it has a lower temporal resolution than electrophysiology, as it can only detect changes in neural activity over several seconds.

6. Based on the texts, what would the author of Text 1 most likely say about the research described in Text 2?

- A. While electrophysiology provides detailed information about individual neurons, fMRI provides no meaningful information about neural activity.
- B. Electrophysiology is a superior technique for studying the brain, as it provides more detailed and direct measures of neural activity than fMRI.
- C. Electrophysiology is a superior technique for studying the brain, as it provides more detailed and direct measures of neural activity than fMRI.
- D. Since electrophysiology and fMRI provide similar measures, there would be little reason to implement both techniques to study brain function.