

Froshmore HFA Replacement Questions 24-25

POP/CE: This country is reportedly sending its citizens to help Russia's military fight Ukraine.* It's part of an increasingly friendly relationship between Moscow and Pyongyang. Name the country led by Kim Jong Un.

ANSWER: North Korea

BONUS: Ukraine's president first reported the alliance. Who is he?

ANSWER: Volodmyr Zelensky

POP/CE: Fans are wondering if she is cursing their team.* When the 25-year-old singer wears a team's jersey or gear, that team often ends up losing their following game. Name the singer who first starred in Disney's Girl Meets World.

ANSWER: Sabrina Carpenter

BONUS: Which Philadelphia baseball team lost their game after Carpenter wore their jersey?

ANSWER: Phillies

SOCIAL STUDIES: This woman's marriage to a tobacco farmer led to a cooling of hostilities known as this woman's "Peace." After converting to Christianity, this woman took the name * Rebecca and toured England with her husband John Rolfe. Who is this woman, the daughter of Powhatan?

ANSWER: Pocahontas [also accept Amanute or Matoaka]

BONUS: During her trip to England with John Rolfe, Pocahontas may have met what Wampanoag man, who was an early emissary to the Plymouth colony?

ANSWER: Squanto [or Tisquantum]

SOCIAL STUDIES: The Winged Hussars were a cavalry unit which fought for this country during its union with Lithuania. This country's democratization was led by Solidarity Party leader * Lech Walesa. What is this country, which was invaded by the Nazis on September 1, 1939?

ANSWER: Poland

BONUS: The Winged Hussars famously broke the Ottoman Siege of what Austrian city?

ANSWER: Vienna

SCIENCE This type of muscle tissue, found in your stomach and other non-heart organs, is the one that is not under your control.* What is this type of muscle cell that contracts in order to move things, such as food, from place to place?

Answer: smooth muscle

BONUS SCIENCE Name this type of muscle tissue that is under your control.

Answer: skeletal

SCIENCE Some animals can regulate their own body temperature*, while others rely on external sources to stay warm or cool. Animals that can regulate their body temperature internally, such as mammals and birds, are known by what term?

Answer: endotherms

BONUS SCIENCE In contrast to endotherms, animals like reptiles and amphibians depend on external heat sources and are known by what term?

Answer: ectotherms

MATH COMPUTATION: Simplify and evaluate:
 $7^3 \times 7^2 \times 7^{-7}$

[READ: Seven cubed times seven squared times seven to the negative seventh power]

ANSWER: 1/49 [Do NOT accept 7^{-2} ; instructions were to simplify AND evaluate]

BONUS COMPUTATION: Simplify and evaluate: $8^2 \times 4^{-4} \times 8^2 \times 2^{-4}$

[READ: Eight squared times four to the negative fourth times eight squared times two to the negative fourth]

ANSWER: 1 [$8^2 \times 8^2 = 8^4$; $4^{-4} \times 2^{-4} = (4 \times 2)^{-4} = 8^{-4}$; $8^4 \times 8^{-4} = 8^0 = 1$]

MATH: What is the two-word term for this sequence? 1, 3, 9, 27, 81, and so on. Sequence is NOT one of the two words.

ANSWER: Infinite Geometric (Sequence)

BONUS: A Geometric Series with a common ratio less than one has a limit which is called what S term?

ANSWER: SUM

LITERATURE: It tells the story of Robert Jordan, a young American volunteer attached to a guerilla unit during the Spanish* Civil War. He is assigned to blow up a bridge during an attack. Name the Ernest Hemingway novel.

ANSWER: For Whom the Bell Tolls

BONUS: Which Hemingway novel tells the story of Santiago and his long struggle to catch a giant marlin?

ANSWER: The Old Man and the Sea

LITERATURE: It symbolizes something universal in the human experience.* It is an idea, symbol, pattern, or character-type in a story. What is any story element that appears again and again in stories from cultures around the world?

ANSWER: archetype

BONUS: Which archetype has a character who starts out in an ordinary circumstance and is then called to an adventure?

ANSWER: hero

FINE ARTS: This artist's *The Burning of Troy 1862* shows a bridge on fire. This artist painted two different depictions of a turkey hunt in a style known as * Naive Art. Who is this American folk artist, who began her painting career at the age of 78?

ANSWER: (Grandma) Moses [her real name was Anna Mary Robertson Moses]

BONUS: Moses's work falls into the category of Naive Art or Primitivism, which also describes the art of what French artist, nicknamed the Customs Officer, who painted many jungle scenes?

ANSWER: (Henri) Rousseau

HUMANITIES: A literary character with this title greets the narrator of the book he appears in after a plane crash. A musical artist with this title has his first name wrote hit songs, "I Can Never Take the Place of Your Man" and * "Purple Rain." What is this name shared by the title character of an Antoine de Saint-Exupery novel and an R&B singer?

ANSWER: Prince

BONUS: What American author wrote the novel *The Prince and the Pauper*?

ANSWER: (Mark) Twain [or Samuel Clements]