

## Replacement Questions

LITERATURE: **His courtesy name was Zhenzhi.\*** He wrote *The Seven Heroes and Five Gallants*. Name the popular Quing dynasty storyteller who performed in Beijing during the first half of the 19<sup>th</sup> century.

ANSWER: **Shi Yukun**

BONUS: What type of instrument, a plucked string instrument, did Yukun use in his storytelling?

ANSWER: **lute**

LITERATURE: **It is often used for critical or humorous effect.\*** It demonstrates the difference between expectations and reality. What is the term that describes two contradicting meanings of the same situation, phrase, or story?

ANSWER: **irony**

BONUS: What is a kind of verbal irony that has a biting or critical tone?

ANSWER: **sarcasm**

FINE ARTS: **This artist who designed the Peacock Room sued critic John Ruskin for libel. This artist's *Nocturne in Black and Gold* is also known as his \* "Falling Rocket."** Who is this artist, whose *Arrangement in Gray and Black No. 1* depicts his mother?

ANSWER: (James Abbott McNeill) **Whistler**

BONUS: In contrast to his disputes with Whistler, critic John Ruskin ardently defended the work of what artist of *Rain, Steam, and Speed*?

ANSWER: (JMW) **Turner** [JMW stands for Joseph Mallord William]

HUMANITIES: **This philosopher argued in favor of a dichotomy based around Apollonian and Dionysian personalities. This philosopher, who developed the idea of the will to \* power also developed the concept of the Ubermensch. Who is this German philosopher who wrote, "God is dead?"**

ANSWER: (Friedrich) **Nietzsche**

BONUS: Nietzsche was a progenitor of what philosophical school which rejects assumed notions about human existence and whose name was coined by Ivan Turgenev in *Fathers and Sons*?

ANSWER: **Nihilism**

SCIENCE: This standard piece of lab equipment was designed in 1854 at the University of Heidelberg.\* It was designed for maximum heating and minimal light with no soot. What is this flaming device that was named for its designer.

ANSWER: **Bunsen Burner**

BONUS: Bunsen burners are most often used by students for heating, but they can also be used in the biology lab to prevent cross-contamination. What is the term used for killing all bacteria on a surface using heat?

ANSWER: **Sterilization**

SCIENCE: This phylum's name comes from the Greek for "Hedgehog skin."\* Entirely marine, these radially symmetrical animals have ossified mesodermal plates. What is this group that include sea lilies, sea cucumbers, and sea stars?

ANSWER: **Echinodermata** [accept **Echinoderms**]

BONUS: Related to, but separate from sea stars are these members of class Ophiuroidea [ OOF-ee-u-roy-de-uh] but have much thinner arms.

ANSWER: **Brittle Star**

CURRENT EVENTS/POP CULTURE: **This slang term was local to Philadelphia at first,\*** but now it's been added to the dictionary. It's a neutral, all-purpose noun used to reference any person, place, situation, or object. Name the term that, in casual conversation, takes the place of the word thing.

ANSWER: **jawn**

BONUS: The slang is popular in Philly, but also in Pennsylvania's capital. What is it?

ANSWER: **Harrisburg**

CURRENT EVENTS/POP CULTURE: **He retired after a nearly 70-year career in journalism.\*** The Australian-born man launched Fox News in 1996. Name the man who handed the reins of Fox and News Corp to his son.

ANSWER: **Rupert Murdoch**

BONUS: News Corp also owns two major newspapers. Name the one that is a business and economic-focused international daily newspaper.

ANSWER: **The Wall Street Journal**

MATH COMPUTATION: Find the area of a kite in square inches if the diagonals measure 12 inches and 17 inches.

ANSWER: **102** (sq. inches)

BONUS COMPUTATION: Find the area of a trapezoid in square inches if the height is six inches and the median of the trapezoid is 12 inches.

ANSWER: **72** (sq inches)

MATH COMPUTATION: The sum of three consecutive even integers is 330. What are the three integers?

ANSWER: **108, 110, 112**

BONUS COMPUTATION: A three digit number is a palindrome. The digits are one unit apart. The number itself is a perfect square of an integer. What is the number?

ANSWER: **121 OR 676 [11<sup>2</sup> OR 26<sup>2</sup>]**

SOCIAL STUDIES: **The largest of these places in the world is found in Italy, while the largest in America is located near the Oklahoma-Texas border. The \*** Tribal Gaming Compact regulates these locations. What are these locations, where people can gamble money on games such as poker and blackjack?

ANSWER: **Casinos**

BONUS: Tribal sovereignty, which allows for the running of casinos, was heavily affected by what 2020 Supreme Court Case which ruled that Native defendants should be tried in tribal courts?

ANSWER: **McGirt** (v. Oklahoma) [accept answers like the McGirt Case or the McGirt Decision]

SOCIAL STUDIES: **The Three Mile Island Incident occurred in this state. A civil war battle in this state included action at the Devil's Den and \*** Pickett's Charge. The Battle of Gettysburg occurred in what state, which was also the site of the signing of the Declaration of Independence?

ANSWER: **Pennsylvania**

BONUS: After a series of losses in the Revolutionary War, the Continental Congress moved from Philadelphia to what other city in Pennsylvania, which served as a temporary capital?

ANSWER: **York**