

# Replacements

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## Tossups

(1) **In this novel, John Seward receives letters describing Renfield's madness and begging him to help Arthur Holmwood's sick fiancée. A professor in this novel packs a paste of communion wafers around the door of (\*) Lucy Westenra's tomb and in the boxes of earth that the title character transports to England from Transylvania. Abraham Van Helsing, Mina Murray, and Jonathan Harker hunt the title Count in, for ten points, what Bram Stoker novel about an archetypical vampire?**

ANSWER: Dracula

(2) **This substance makes up the mantle of the moon Triton, and erupts from "tiger stripes" on Enceladus to form the E ring of Saturn. It is not gas, but this substance names a type of giant planet exemplified by (\*) Uranus. Oort cloud objects, including comets, consist mainly of this substance, which forms a crust over Europa's possibly-liquid oceans. For ten points, name this substance abundant at Earth's polar caps, the frozen form of water.**

ANSWER: ice (accept frozen water before "names" is read)

(3) **Brumbies are a feral type of these animals that roam Australia. Although the Hall of the Bulls is the most famous section of the Lascaux [lass-koh] caves, these animals are the most common to be painted on its walls. The rise of the Proto-Indo-Europeans is tied to their domestication of these animals on the Russian (\*) steppe. Parthian archers mastered the ability to turn around and shoot arrows while riding, for ten points, what animals that can be used to pull chariots and plows?**

ANSWER: horses (accept equines)

(4) **In this novel, Matthewson makes a wager at the Eldorado Saloon that this novel's protagonist cannot move a one-thousand-pound load, and loses his money to Hans and Pete. This novel's protagonist kills a group of (\*) Yeehat Native Americans to avenge the death of John Thornton, the first man to treat him well since he was trained by a man in a red sweater to be a sled dog. For ten points, name this Jack London novel in which Buck answers the title summons by joining a wolf pack.**

ANSWER: The Call of the Wild

(5) **This woman successfully sued William Randolph Hearst for libel after one of his newspapers falsely claimed that she had been stealing to support a cocaine habit. This woman, who married Frank Butler after besting him in a contest, was named Watanya Cicilla by (\*) Sitting Bull, who performed with her for a few months in 1885. "Little Sure Shot" was the touring nickname of, for ten points, what prolific sharpshooter who performed in Buffalo Bill's Wild West Show?**

ANSWER: Annie Oakley (accept Phoebe Ann Mosey)

(6) **One of these poems warns “die single and thine image dies with thee,” and urges “now is the time that face should form another” while addressing a subject known as the Fair Youth. Another of these poems addresses a (\*) Dark Lady whose lips are less red than coral and whose “breasts are dun,” and begins “My Mistress’ Eyes are Nothing Like the Sun.” Rhyming couplets typically end, for ten points, what fourteen-line poems frequently written by William Shakespeare?**

ANSWER: sonnets (accept Shakespearean sonnets; accept Elizabethan sonnets; accept sonnets by William Shakespeare; accept answers describing the Fair Youth sonnets before “Dark” is read; prompt on “poems by Shakespeare” or similar answers that do not describe the type of poem)

(7) **A “geographic” pattern of patches can appear on this organ due to leukoplakia. This organ’s frenulum is tied to another body part in ankylo-glossia, and a protruding one is symptomatic of (\*) Down syndrome. It is not a tail, but chameleons possess a prehensile one of these organs that is covered in spiny papillae to assist cats with grooming. Sublingual salivary glands and taste buds are associated with, for ten points, which muscular organ inside the mouth?**

ANSWER: tongue

(8) **Oxfam was founded to alleviate a famine in this country. This country celebrates “No Day,” a holiday that commemorates a refusal to cooperate with Benito Mussolini, given by Prime Minister Ioannis Metaxas. The Earl of Elgin looted marble (\*) sculptures from this country, and the British Museum refuses to repatriate them. Since 2007, a debt crisis has plagued, for ten points, what country where the Parthenon stands in Athens?**

ANSWER: Greece (accept Elláda; accept Hellenic Republic or Ellinikí Dimokratia)

(9) **Thomas Edison built the first American power plant, the Pearl Street Station, to light streetlamps in this place. In 1920, Italian anarchists set off a bomb in this place that killed forty people; the bomb was carried in a wagon that stopped in front of the headquarters of (\*) J.P. Morgan. The eight blocks of this place stretch from the East River to Broadway and include the NYSE building. For ten points, name this street in downtown Manhattan, the heart of New York’s Financial District.**

ANSWER: Wall Street (accept Financial District of Manhattan or FIDi before “eight” is read, and then prompt on it until it is read; prompt on “Manhattan” before it is read; prompt on “New York” before it is read)

(10) **This term describes the mass of the hypothetical “dark fluid.” The Hammett function of a super-acid has this property. In a galvanic cell, oxidation occurs at the electrode with this property. A spontaneous reaction has this kind of change in (\*) Gibbs free energy, and a standard enthalpy change of this type makes a reaction exothermic. Anions possess, for ten points, what kind of charge bestowed by a net gain of electrons?**

ANSWER: negative

## Bonuses

(1) Name some World War II leaders, for ten points each.

This man led America for most of the great depression and the majority of World War II, but died before victory was declared. He is the only US president to serve four terms.

ANSWER: Franklin Delano Roosevelt (both underlined parts required; accept FDR; prompt on “Roosevelt” alone)

This leader coined the term “iron curtain” to describe a barrier between western and eastern Europe and gave his famous “this was their finest hour” speech prior to the Battle of Britain.

ANSWER: Winston Churchill (accept Sir Winston Leonard Spencer Churchill)

This leader of China agreed to work with his Communist rivals to fight Japan following the Xian [shée-ahn] incident. After World War II, this leader of the Kuomintang [kwoh-min-tang] lost to Mao Zedong and was forced to flee to Taiwan.

ANSWER: Chiang Kai-shek [chang khai-shek] (accept Chiang Chung-cheng; accept Jiang Jieshi)

(2) This poem’s first stanza begins, “’Twas brillig, and the slithy toves / did gyre and gimble in the wabe.” For ten points each,

Name this poem by Lewis Carroll in which an unnamed hero “took his vorpal sword in hand” to defeat the title “burbling” monster.

ANSWER: Jabberwocky (do not accept or prompt on “Jabberwock”)

In the novel *Through the Looking Glass*, Alice asks this children’s character to explain “Jabberwocky” to distract him after she insults him by calling him an egg and questioning whether “all the king’s horsemen” would actually put him together again.

ANSWER: Humpty-Dumpty

While trying to explain “Jabberwocky,” Humpty-Dumpty tells Alice that “slithy” is one of these words, since it combines “lithe” and “slimy.”

ANSWER: portmanteau

(3) Specially-developed airplanes called the *Chicago* and the *New Orleans*, designed for distance flight, were the first in aviation history to complete this achievement. For ten points each,

Describe this feat. With Fred Noonan, an aviator attempting this action disappeared near Howland Island in 1937.

ANSWER: **circumnavigating the Earth** in a plane (accept descriptions like flying **around the world**)

Fred Noonan disappeared during this female pilot's attempt to fly around the world. This aviator was the first woman to fly solo across the Atlantic Ocean.

ANSWER: Amelia **Earhart** (accept Amelia Mary **Earhart**)

In 1935, Earhart completed the first successful solo flight to Oakland, California from this location. Earhart's flight broke a streak of disastrous attempts to reach this location from California that included a deadly 1927 race sponsored by the Dole company.

ANSWER: **Hawai'i** (accept **Honolulu**; accept **O'ahu**; accept Territory of **Hawaii** or **Hawaii** Territory)

(4) A feud with his former teacher, Walther Nernst, may explain why this chemist never won the Nobel Prize despite being nominated forty-one times. For ten points each,

Name this American chemist who defined acids as electron-pair acceptors and whose namesake dot diagrams can be used to predict the shape of molecules.

ANSWER: Gilbert **Lewis** (accept Gilbert Newton **Lewis**)

Lewis dot diagrams only keep track of these electrons found in an atom's outer shell. Carbon has four of these electrons, and oxygen has six.

ANSWER: **valence** electrons

Lewis used his diagrams to show that most atoms form bonds in order to achieve this number of valence electrons according to the octet rule.

ANSWER: **eight**

(5) This author wrote about Frederic Henry's tragic relationship with Catherine Barkley, and about the impotent Jake Barnes, who pursues Lady Brett Ashley. For ten points each,

Name this American author of *A Farewell to Arms* and *The Sun Also Rises*.

ANSWER: Ernest **Hemingway** (accept Ernest Miller **Hemingway**)

Frederic Henry and Jake Barnes are both soldiers in this 1910s war, in which Hemingway served as an ambulance driver.

ANSWER: **World War I** (accept **First World War**)

Hemingway observed the Spanish Civil War as a journalist, and used it as the backdrop for this novel. This novel follows Robert Jordan, a soldier assigned to dynamite a bridge.

ANSWER: **For Whom the Bell Tolls**

(6) Answer the following about some similar-looking flags, for ten points each.

This country's flag is a white cross on a red background. This country celebrates the legend of its flag's creation on Valdemar's Day.

ANSWER: Denmark (accept Kingdom of Denmark or Kongeriget Danmark)

A yellow cross on a blue background makes up the flag of this country, which is the homeland of UN Secretary-General Dag Hammarskjöld ["hammers"-kyold].

ANSWER: Sweden (accept Kingdom of Sweden or Konungariket Sverige)

Denmark and Sweden's flag style, a cross on a solid background, is common among countries in this northern European region. Scottish separatists joke about joining this group of countries.

ANSWER: Scandinavian countries (accept Nordic countries)

(7) The term "Goldilocks zone" describes the possible orbits around a star where conditions are just right for a planet to support this substance. For ten points each,

Name this liquid compound, sometimes called the universal solvent, that is thought to be a necessary precondition for the existence of life.

ANSWER: water (accept H<sub>2</sub>O)

Though it is outside the Sun's Goldilocks zone, this smallest Galilean moon may have liquid oceans beneath its icy surface due to its proximity to Jupiter.

ANSWER: Europa

The size of the Goldilocks zone affects the  $n_e$  [N-sub-E] term of this astronomer's equation. This equation includes the fraction of stars with planets and the fraction of civilizations with advanced technology to estimate the chance of contacting alien life.

ANSWER: Frank Drake equation

(8) Answer the following about British poetry for children, for ten points each.

This toy appears in A.A. Milne poems like "The Friend" and "Us Two," in which Christopher Robin declares "wherever I am, there's always" this stuffed bear.

ANSWER: Winnie-the-Pooh (accept Winnie-ther-Pooh; accept Pooh Bear; accept Edward Bear)

This author wrote the collection *Appley Daply's Nursery Rhymes* and stories for children about Jemima Puddle-Duck, Mrs. Tiggy-Winkle, Peter Rabbit, and Squirrel Nutkin.

ANSWER: (Helen) Beatrix Potter

This author wrote that there was "never a name to go down to fame / compared with that of Toad" about the owner of Toad Hall, the main character of this author's *The Wind in the Willows*.

ANSWER: Kenneth Grahame

(9) This era's policies were supported by the scalawags, and drew numerous carpetbaggers to the American South. For ten points each,

Name this period in American history that began with the Civil War and ended with the Compromise of 1877.

ANSWER: **Reconstruction** Era

The first of the Reconstruction Amendments is this one, which replaced the Emancipation Proclamation and banned slavery in the United States.

ANSWER: **Thirteenth** Amendment (accept Amendment **Thirteen**)

Another Reconstruction Amendment, the Fifteenth, banned racial discrimination against people participating in this process, by which citizens express their will by casting ballots.

ANSWER: **vote** (accept word forms like **voting**; accept descriptions like participating in **elections**)

(10) Many Antarctic fish only survive in the subfreezing water because their blood contains antifreeze proteins. Answer these questions about other ways in which the properties of water affect life, for ten points each.

Because of water's high heat capacity, humans can stay cool by evaporating this secretion from their skin. Dogs pant when hot instead of producing this liquid.

ANSWER: **sweat**

Because water gets denser as it cools to four degrees Celsius, lakes experience this process twice each year when cool water layers sink and warm layers rise, bringing nutrients with them.

ANSWER: lake **turnover**

Along with cohesive force, this process of evaporation from leaves allows a continuous chain of water molecules to travel up a plant's stem.

ANSWER: **transpiration** (accept word forms like **transpire**)