

SCOP Novice 4 | REPLACEMENTS

Brad Fischer • Jonah Greenthal • Rebecca Kobernat • Sabrina Lato • Greg Peterson • Jay Shirodkar
Kristin A. Strey • Mark Taylor • Brittany Trang • Tristan Willey • Michael H. Wong

Tossups

1. **This author wrote about the capture of Humphrey van Weyden in *The Sea-Wolf*, and in another of his novels, a lynx kills One-Eye. One of this author's title characters is claimed by Gray Beaver and later kills (*) Lip-lip. Another of this man's protagonists becomes a "Ghost Dog" after John Thornton's death. Those characters are the son of the half-wolf, Kiche, and a dog named Buck. For 10 points, name this author of *White Fang* and *The Call of the Wild*.**

Answer: John Griffith "Jack" London

2. **In this work, Messua [meh-soo-ah] takes in a young boy to replace her long-lost son, Nathoo [nah-too]; that boy, nicknamed "the frog," was earlier pursued by Lungri [loon-gree], the "lame one," and was saved by Akela [ah-kay-lah] and Raksha, the Mother (*) Wolf. Nag and Nagaina [nah-gah-ee-nah] are killed by a mongoose in one story from this collection, and another tale sees Shere Khan [shayr kahn] chased off by the man cub, Mowgli. For 10 points, name this Indian-inspired collection by Rudyard Kipling.**

Answer: The Jungle Book

3. **In one of this man's works, Peter gets in a "fight" with Jerry, who stabs himself while sitting on a Central Park bench. This author of *The Sandbox* and *Zoo Story* wrote a play in which a host suggests the games "Get the Guest" and (*) "Hump the Hostess" at an absurd dinner party attended by Nick and Honey. For 10 points, name this playwright, who wrote about the bickering couple, George and Martha, in *Who's Afraid of Virginia Woolf?***

Answer: Edward Albee

4. **Transversions are types of this change, as is the creation of a stop codon too early in the "nonsense" examples. Sickle-cell anemia results from the point type of this phenomenon. These events may be (*) beneficial or deleterious, and if a number of nucleotides not divisible by 3 is inserted or deleted, that is the "frameshift" type of this event. Radiation is a common cause of this event that may lead to cancer. For 10 points, name these events that damage DNA.**

Answer: mutation (accept point mutations)

5. **This prefix to applies maps between groups that preserve the group operation, and to parts of living things that evolved from a common ancestor. It begins the name of a process that prevents fat from rising to the top of (*) milk; that word is related to mixtures with uniform composition. It is the Greek prefix meaning “same”, and the opposite of “hetero”. For 10 points, give this word that is also the genus in which humans are found, in which context it is followed by “sapiens”.**

Answer: homo (accept group homomorphisms or homologous structures or homogenization or homogeneous mixtures or homo sapiens sapiens)

6. **One example of this phenomenon, named for the Tule grass, forms upwind of the Sierra Nevada mountains. The advective type of this phenomenon occurs when moist air is cooled by the wind. This suspension of (*) water droplets in air is differentiated from haze by its water content. Visibility problems in San Francisco are often caused by, for 10 points, what meteorological phenomenon, a dense cloud-like mist near the ground?**

Answer: fog

7. **Carmichael's Theorem states that, after the 13th of these numbers, each of these numbers has a prime divisor that does not divide any smaller one of these numbers. That 13th of these numbers, 144, is one of only three perfect squares in this sequence, the ratio of whose consecutive terms approaches the (*) golden ratio. Its terms are defined recursively as the sum of the two previous terms. An Italian mathematician names, for 10 points, what sequence that begins 0, 1, 1, 2, 3, 5, 8?**

Answer: Fibonacci sequence (accept Fibonacci number(s); accept Fibonacci series)

8. **In *Gideon v. Wainwright*, the Supreme Court guaranteed one of this Amendment's rights in case of poverty. The power to compel friendly witnesses to appear in court is guaranteed by this amendment, which also provides for the right to (*) counsel, the right to confront witnesses, and the right to a speedy, public trial, but its rights do not apply in civil court. For 10 points, name this Bill of Rights amendment that guarantees the right to trial by jury.**

Answer: Sixth Amendment to the U.S. Constitution

9. **John Rutledge took this position while the Senate was in recess; when the Senate returned, it rejected his appointment. 20th century holders of this position include Earl Warren and Warren Burger. Its duties include presiding over (*) Presidential impeachments and administering the Presidential oath of office. For 10 points, John Roberts serves with eight associate justices in what position, the head of the United States Supreme Court?**

Answer: Chief Justice of the United States (Supreme Court) (prompt on partial answers)

10. In this war, Prince Rupert hid in a bean field after his cavalry were outflanked at the Battle of Marston Moor. During this war, one group suffered "Pride's Purge;" the remnants of that group became known as the (*) Rump Parliament. This war between the Roundheads and Cavaliers saw the beheading of Charles I. Oliver Cromwell took power as Lord Protector after, for 10 points, what 17th century conflict that briefly ended the British monarchy?

Answer: English Civil War

Bonuses

1. This satirical work was originally published as *The Cynic's Word Book*, and defines war as "A byproduct of the arts of peace." For 10 points each,

[10] Name this Ambrose Bierce work, whose other entries include "Congress, noun. A body of men who meet to repeal laws."

Answer: The Devil's Dictionary

[10] Ambrose Bierce's short story, "An Occurrence at Owl Creek Bridge," is set during this military conflict. Bierce himself fought in this war, inspiring his memoir "What I Saw of Shiloh."

Answer: (American) Civil War

[10] This author of "The Open Boat" wrote of Henry Fleming's experiences in the Civil War, including seeing his friend Jim Conklin die, in *The Red Badge of Courage*.

Answer: Stephen Crane

2. This poem describes "Phlebas the Phoenician a fortnight dead" in its fourth section "Death by Water." For 10 points each,

[10] Name this poem which begins "April is the cruellest month" and ends with the mantra "Shantih Shantih Shantih."

Answer: The Waste Land

[10] *The Waste Land* is by this British author of "The Love Song of J. Alfred Prufrock" who wrote "This is the way the world ends / Not with a bang but a whimper" in "The Hollow Men."

Answer: T(homas) S(tearns) Eliot

[10] "Shantih Shantih Shantih" is a mantra in this Indian language, the sacred language of Hinduism.

Answer: Sanskrit

3. In this novel, the King of Ward 3 is murdered by a pair of scissors, and the doctor's wife doesn't experience the title phenomenon. For 10 points each,

[10] Identify this novel, whose title refers to the character's inability to see.

Answer: **Blindness**

[10] *Blindness* is a work by this author, whose other works include *All the Names* and *The Stone Raft*.

Answer: Jose de Sousa **Saramago**

[10] Saramago was an author from this country. In *The Stone Raft*, this Iberian country breaks off from the rest of Europe.

Answer: **Portugal**

4. Although they are between 1 and 12 inclusive, no members of this group are labeled 4, 8, 10, or 11. For 10 points each,

[10] Name this set of vitamins that includes thiamine, riboflavin and niacin.

Answer: **B** complex vitamins (accept vitamin **B** and other variations)

[10] This B vitamin is often supplemented in the diets of pregnant women to prevent neural tube defects of the fetus.

Answer: **folic acid** (accept vitamin **B₉**)

[10] The B vitamins are soluble in this substance, as contrasted with fat-soluble vitamins like A and K.

Answer: **water** (or **H₂O**)

5. Peter Debye [duh-BYE] studied, and is the namesake of the unit for, these phenomena. For 10 points each,

[10] Identify this situation in which a molecule has unequal electron density in different areas, producing a net positive charge on one end and net negative charge on the other.

Answer: molecular (electric) **dipole** moment (accept **polarity**)

[10] This Greek letter is conventionally used to represent the partial positive and negative charge of a dipole. In math, it represents a small tolerance around the input to a function.

Answer: lowercase **delta**

[10] Two dipoles interact according to these forces, which may be further classified as Keesom forces, Debye forces, or London dispersion forces.

Answer: **van der Waals** forces or interactions

6. The sum from n equals 1 to infinity of 1 over n squared has this property, but the sum of 1 over n does not. For 10 points each,

[10] Give this term that describes sequences or series that approach some finite value. This behavior is contrasted with divergence.

Answer: **convergence** (accept word forms; prompt on answers like having a **limit**)

[10] An infinite series is conditionally convergent if it itself converges to some finite number, but it diverges if this function is applied to each term of the series. The square root of the quantity x squared equals this function of x .

Answer: **absolute value** (accept **modulus**)

[10] The infinite *series* that begins one-half, one-fourth, one-eighth, one-sixteenth, etc. will converge to this value. The infinite *sequence* 0.9, 0.99, 0.999, etc. also converges to this value.

Answer: **1**

7. The late Helen Thomas was the first woman to join this group, which currently includes representatives from NPR, CNN, FOX News, and many other media outlets. For 10 points each,

[10] Name this group of political journalists stationed in a certain Washington, D.C building.

Answer: **White House Press Corps** (also accept **White House Correspondents' Association**; prompt on press corps; prompt on things like "White House journalists")

[10] The White House Press Corps is briefed daily by this senior White House official. In 2011, Jay Carney took over this position from Robert Gibbs.

Answer: White House **Press Secretary** (prompt on secretary)

[10] Members of the White House Press Corps work in this section of the White House. This wing of the building also includes the Roosevelt Room, Cabinet Room, and the Oval Office.

Answer: The **West Wing**

8. A 1999 war in this region began after aggression from Slobodan Milosevic, who had earlier sparked war in Bosnia. For 10 points each,

[10] Name this eastern European region which, in 2008, declared itself an independent country with capital Pristina.

Answer: **Kosovo**

[10] Kosovo seceded from this nation with capital Belgrade. In 2006, the nation of Montenegro declared itself independent from this country.

Answer: **Serbia** (accept **Serbia and Montenegro**)

[10] Serbia and Montenegro was the final remnant of this eastern European Communist union, not allied with the Soviet Union that formed after World War II. In 1991, it dissolved into Slovenia, Croatia, Macedonia, Serbia and Montenegro, and Bosnia and Herzegovina.

Answer: **Yugoslavia**

9. The secret Protocol of Sèvres was a plan for Great Britain and France to "mediate" this event, in which they would take over the waterway in question. For 10 points each,

[10] Name this 1956 conflict in which Israel invaded Egypt in response to Gamal Abdel Nasser's nationalization of the namesake canal near the Sinai Peninsula.

Answer: Suez Crisis

[10] This first Israeli Prime Minister signed the Protocol of Sèvres.

Answer: David Ben-Gurion

[10] Canadian Prime Minister Lester Pearson's efforts to actually mediate the Suez Crisis earned him this annual diplomatic prize. This prize is awarded in Oslo, while similar prizes for Literature, Chemistry, Physics, and Medicine are awarded in Stockholm.

Answer: Nobel Peace Prize (prompt on "Nobel" or "Nobel Prize")

10. The Ipiranga Brook, site of Dom Pedro the First's declaration of independence, flows through a suburb of this city. For 10 points each,

[10] Name this most populous city in the Southern hemisphere, located a few hundred miles west of Rio de Janeiro.

Answer: São Paulo

[10] São Paulo is the largest city of this largest South American nation, whose capital is Brasilia.

Answer: Brazil

[10] This woman succeeded Luiz Inacio Lula da Silva as President of Brazil in 2011.

Answer: Dilma Rousseff