

Scobol Solo 2018

Packet 1 (Round 1)



1. The PER2 gene can cause people to perform this activity earlier than usual. K-complexes can be detected by an EEG in the second stage in this process. In birds and dolphins, this process can be uni-hemispheric [YOO-nih-hem-ih-“SPHERE”-ik]. Restless leg syndrome is a disease of this process, as is a “sickness” caused by infection with trypanosome [tri-PAN-oh-sohm] parasites. The pineal [“pie-kneel”] gland secretes melatonin [mel-uh-TOH-nin] to regulate this process. Narcoleptics undergo this process too much. Name this process whose most active phase involves rapid eye movement, or REM.

Answer: sleeping [or being asleep or going to sleep]

2. In 2014, archeologists studying this empire found 12 dogs buried together; people in this empire often buried dogs with their masters. City-states in this empire were divided into calpulli [kahl-POH-lee], and farming in the capital was conducted on small floating fields called *chinampas*. Bernardino de Sahagún compiled a study of this empire called the *Florentine Codex*. These people waged Flower Wars against their neighbors for human sacrifices and tributes, and they formed a Triple Alliance with Texcoco [tesh-KOH-koh] and Tlacopan [t’lah-koh-PAHN] from their massive capital, Tenochtitlan [teh-nohch-TEET-lahn]. Name this Mesoamerican empire led by Montezuma II until it was conquered by Hernán Cortés.

Answer: Aztec Empire or Aztecs [or aztecas or Aztec Triple Alliance or Mexica(s) [may-SHEE-kah(ss)] or Tenochcas [teh-NOHCH-kahz] or Excan Tlahtoloyan]

3. This painting is parodied in a Gordon Parks photograph of a government cleaning woman, Ella Watson. Mothers-in-law’s tongue and beefsteak begonia are the two plants on a ledge in the background of this painting. One of the subjects of this painting wears a 19th-century colonial print apron; that subject was modeled by the artist’s sister, who stood next to Byron McKeeby, a dentist. The title of this painting refers to the style of the house in the background next to a red barn. Name this painting of a farm couple, made by Grant Wood.

Answer: American Gothic

4. A U.S. congressman from this state was arrested in August 2018 for insider trading and lying to the FBI. In this state, governor's aide Joseph Percoco [pur-KOH-koh] was found guilty of corruption charges based on evidence from Todd Howe. This state's governor was criticized for saying America "was never that great". Chris Collins is a representative from this state, as was the recent chair of the House Democratic Caucus, Joe Crowley [KRAW-lee], who lost his primary election to Democratic Socialist Alexandria Ocasio-Cortez [oh-KAH-see-oh kor-TEZ]. Name this state whose senior senator is Minority Leader Chuck Schumer [SHOO-mur] and whose governor is Andrew Cuomo [KWOH-moh].

Answer: New York

5. This poet wrote "I carry from my mother's womb a fanatic heart" at the end of a poem that begins "I ranted to the knave and fool", entitled "Remorse For Intemperate Speech". Another poem by this writer justifies travel by stating "An aged man is but a paltry thing." That line is in this poet's work which begins "That is no country for old men." A poem by this writer is the source of the title of Chinua Achebe's [uh-CHEH-bay'z] novel *Things Fall Apart*. Name this Irish poet of "Sailing to Byzantium [buh-ZAN-tee-um]" who wrote "The best lack all conviction, while the worst are full of passionate intensity" in his poem "The Second Coming".

Answer: William Butler Yeats [rhymes with "gates"]

Check the score.

6. The waves named after this person form patterns similar to Chladni [KLAHD-nee] figures and are caused by fluids on top of an oscillating cylinder. This person discovered that the mass of a liberated substance equals charge times molar mass divided by the quantity valency [VAY-lun-see] number times a constant named for this person; the constant is the charge on one mole of electrons. Another law named for this person describes the electromotive force generated by a changing magnetic field. Name this British scientist who devised laws of electrolysis [uh-lek-TROU-luh-sis] and induction.

Answer: Michael Faraday

7. The historical narrative of this battle was altered after the 1939 discovery of bronze arrowheads on Kolonos [koh-LOH-nohs] Hill. The course of this battle itself was affected by the Phocian [FOH-shun] army being alerted to the presence of the enemy by the rustling of oak leaves. During this battle, a local named Ephialtes [ef-ee-AL-teez] revealed a path around the defending army in hopes of receiving a reward. An outnumbered army was massacred at the so-called "Hot Gates" in this battle while fighting an enemy force that included the Immortals. Name this battle at which King Leonidas [lee-AH-nih-dus] of Sparta and his Greek allies made a last stand against a Persian invasion force led by Xerxes [ZURK-seez] the Great.

Answer: Battle of Thermopylae [thur-MAH-puh-lee]

8. In this city, a woman ran seven times between two small hills called Safa and Marwah before her child kicked the ground and water came out. In this city, people throw stones at a pillar at the Jamaraat [JAM-uh-rat] Bridge in the neighborhood of Mina [MEE-nuh]. The Zamzam Well is in this city. A house of worship in this city is believed to have been built by Abraham and Ishmael. A black and gold curtain called the Kiswah covers a building in this city in which a black stone is embedded in a wall, the Kaaba [KAH-bah]. Name this most sacred city in Islam, the destination of the pilgrimage called the *hajj* [hahj].

Answer: Mecca, Saudi Arabia

9. In a novel by this author, William Blore dies when a bear-shaped clock statue falls on him. That novel, set on Indian Island, is about the death of several murderers. In a play by this writer, a converted guesthouse is run by Mollie and Giles Ralston; Mollie turns out to be a former schoolteacher. This writer set that play at Monkswell Manor, and the plot of that play involves a note that seems to promise three deaths. Many of this author's other works are about Hercule Poirot [air-kyool pwah-roh] or Miss Marple, who were detectives. Name this British author of *And Then There Were None* and *The Mousetrap*.

Answer: Agatha (Mary Clarissa) Christie(, Lady Mallowan) [accept either underlined portion; accept Agatha (Mary Clarissa) Miller]

10. Scientists have recently identified mountain chains in this object's Xanadu [ZAN-uh-doo] region. This object's atmosphere has both a higher percentage of nitrogen and a higher pressure than Earth's atmosphere. Its nitrogen-isotope ratio matches that of comets in the Oort Cloud. Like Earth, this body has stable surface liquid, though this body uses a methane cycle. This body is larger than Rhea [REE-uh] and Iapetus ["eye"-AP-eh-tuss], which orbit the same planet as this moon. This moon is slightly smaller than Ganymede [GAN-uh-meed], making it the second largest moon in our solar system. Name this largest moon of Saturn.

Answer: Titan

Check the score.

11. A composer from this country wrote a piece whose title references an event in which Augustus Jaeger [YAY-gur] encouraged him to continue writing music. A composer who moved to this country wrote a *Sinfonia* commonly known as "The Arrival of the Queen of Sheba" for his oratorio *Solomon*. A movement titled "Alla Hornpipe" is included in a suite by the same composer who moved to this country, and who also wrote movements titled "La Paix [pay]" and "La Réjouissance [rezh-wee-sawnss]". A composer from this country wrote "Land of Hope and Glory" in his *Pomp and Circumstance Marches*. Name this home country of Edward Elgar and in which *Water Music* was written by George Frideric Handel, who had moved from Germany.

Answer: England [accept United Kingdom (of Great Britain and Northern Ireland); accept Great Britain; do not accept any other constituent state of the UK]

12. One work by this thinker used the example of lambs being eaten by eagles to argue that the “priestly class” invented evil, and he also dichotomized [“die-COT”-uh-myzd] the title concept using pairs of words like “good bad” as master and slave types. This author wrote *On the Genealogy of Morals* and a novel in which the title prophet urges men to reject Platonism [PLAY-tun-izm] and become “supermen”, or “übermensch” [UR-bur-men-shen]. Name this German philosopher who proclaimed that “God is dead” in *The Gay Science* and wrote *Thus Spoke Zarathustra* [zar-ah-TOOST-ruh].

Answer: Friedrich (Wilhelm) Nietzsche [NEETS-sheh]

13. In one novel by this author, a boy looks at a picture of his sister wearing a “red floral-print one-piece” and himself wearing “some baggy old blue trunks” while they stand on the beach long ago. In that novel, this author also tells the story of a person who becomes friends with a truck driver who learns to speak with cats. In another novel by this author, Tengo is told to work on the manuscript *Air Chrysalis*. In that novel, the Dowager pays Aomame [ow-mah-may] to kill abusive men. Name this contemporary Japanese author of *Kafka on the Shore* and *1Q84* [“one Q eighty-four”].

Answer: Haruki Murakami [accept names in either order]

14. In this type of quadrilateral [kwad-rih-“lateral”], the diagonals divide each other into unequal parts with the same ratio. While the cosines of this shape’s internal angles may not be 0, it must have two pairs of adjacent angles whose cosines add to 0. Like a triangle, this shape can be classified as right or isosceles. The area of this quadrilateral equals its median length times its height, and its median length is the average of the lengths of its two bases. Name this shape that is often defined as a quadrilateral with one pair of parallel sides.

Answer: trapezoid [or trapezium]

15. The Catholic Church in what is now this country was supported by Ludwig Pfyffer [FEEF-er], who formed the Golden League in 1586. Another man from this country drowned the Anabaptist Felix Manz and disagreed with the literal doctrine of con-substantiation, leading to his split with Martin Luther at the Marburg Colloquy [KAH-luh-kwee]. A Frenchman who moved to this country wanted Michael Servetus [sur-VAY-tus] to be beheaded, but Servetus was burned at the stake instead. This country is where that Frenchman wrote *Institutes of the Christian Religion*. Name this home to Ulrich Zwingli [OOL-rik TSVEENG-lee] and John Calvin.

Answer: Switzerland [or Swiss Confederation or Schweizerische Eidgenossenschaft or Confédération suisse]

Check the score.

16. One building designed by this architect looks like a cone when viewed from the water, but looks like a cylinder when viewed from land. That building, which has a spiral walkway and a planetarium, is the Macau Science Center. An associate of this architect's firm, Henry Cobb, designed a tower whose fallen glass windows led it to get the nickname "Plywood Palace". This architect designed a large glass pavilion for his commission to design the John F. Kennedy Presidential Library, and he designed the building for the Rock and Roll Hall of Fame. Name this Chinese-American architect who created the glass pyramid at the Louvre.

Answer: I(eoh) M(ing) Pei

17. This city grew when Julia Tuttle convinced Henry Flagler to extend rail service to her land. Recently, Tony Goldman used free outdoor art to attract people to this city's Wynwood [WIN-wud] neighborhood, which used to be known as Little San Juan. This city is near Biscayne National Park, where many manatees [MAN-uh-teez] live. This major city is just south of Boca Raton [BOH-kuh ruh-"TONE"] and Fort Lauderdale, and it is a short boat ride from the Bahamas. José Martí Park is in a neighborhood of this city known for its Cuban exile community, Little Havana. South Beach is a neighborhood of what city in south Florida?

Answer: Miami, Florida

18. An old man in this novel describes a blacksmith named Whitey who washed his hands after he ate and had recently quit his job because of the food. In this novel, Carlson complains about a dog who stinks and can hardly walk. At the end of this novel, one of the main characters uses Carlson's gun to kill a man he had taken care of. The man who is killed in this novel had accidentally killed Curley's wife and often dreamed of taking care of rabbits. This novel depicts ranch handymen during the Great Depression. Name this novel by John Steinbeck about George Milton and Lennie Small.

Answer: *Of Mice and Men*

19. The chemical looping type of this process minimizes trace pollutants like nitric oxide. Some areas designed to contain this process can be classified as can, cannular, or annular. Calx is formed when this process is done to metals, but the more common products of this process are called flue gas. Compression achieves the temperature needed for flash-point ignition of this reaction in a Diesel engine. Incomplete forms of this reaction generate carbon monoxide. Name this exothermic reaction in which a substance combines with oxygen to produce water, carbon dioxide, light, and flames.

Answer: combustion or burning [or combusting]

20. This U.S. President said “We want most of all to enrich man’s spirit” when he signed the Public Broadcasting Act. His administration also started the National Endowment for the Arts. This president significantly increased the funding of schools in poor areas through Title I [“one”] of the Elementary and Secondary Education Act. This president signed legislation creating Medicare and Medicaid and oversaw the “War on Poverty”, all of which were part of his Great Society initiative. This president used the Gulf of Tonkin Resolution to escalate American involvement in the Vietnam War. Name this president who was sworn in after the assassination of President Kennedy.

Answer: Lyndon B(aines) Johnson [accept LBJ; prompt on Johnson]

This is the end of regulation. Check the score. If it is tied, proceed to overtime tossups. If it is not tied, the game is over.

- ^{TB}21. In this country, unwanted children known as decreteii [deh-kret-SAY] were born as a result of Decree 770, which banned contraception and abortion. A leader from this country gained popularity by giving a speech on August 21 condemning the crushing of another country’s Prague Spring. That longtime leader of this country was executed, along with his wife, on live television on Christmas Day 1989 after demonstrations in Timișoara [tee-mee-“SHOW”-ar-ah] and the capital forced him to flee in a helicopter. Name this country where Gheorghe Gheorghiu-Dej [GOR-gay gor-GAY-oo dej] was replaced by Nicolae Ceausescu [NIK-oh-“lie” chow-CHES-koo].

Answer: Romania

If the score is still tied, continue. If it is not tied, the game is over.

- ^{TB}22. This character burned a bug on a candle, then tried to change his luck by standing up, turning around three times, and making the sign of the cross on his chest. This character mocks his companion for believing that touching a snake-skin brings bad luck, but later believes him when his friend is bitten by a snake on his foot. This character did not want to go to heaven because Miss Watson was going there, and he lives with Miss Watson’s sister, the Widow Douglas. This character travels with Jim on the Mississippi River. Name this close friend of Tom Sawyer in novels by Mark Twain.

Answer: Huckleberry Finn [accept either underlined part]

If the score is still tied, continue. If it is not tied, the game is over.

- ^{TB}23. This was the day of the week of the Bogside Massacre, in which British soldiers shot Irish protesters. This day of the week is named for an object that is—by definition—one astronomical unit away from Earth. Most NFL games occur on this day of the week. Name this day on which Easter falls.

Answer: Sunday

There are no more overtime questions available. If the score is still tied, contact the control room for further instructions. If it is not tied, the game is over.