

New Trier Scobol Solo 2013

Round 12



1. Artemis was tricked into shooting an arrow at one of this deity's children. This deity and Apollo were forced to construct a wall for Laomedon around the city of Troy, and he seduced Demeter to father the immortal horse Arion. Out of anger towards Minos, this father of Orion caused Pasiphaë [puh-SIH-fuh-ee] to fall in love with a bull. Odysseus blinded this deity's son Polyphemus. This deity lost the patronage of Athens by a single vote and fathered the merman Triton with his wife Amphitrite [AM-fee-TRY-tee]. Horses were sometimes sacrificed to this god, who could create earthquakes. Name this trident-wielding Greek god of the sea.
Answer: **Poseidon** [accept **Orion** before "children"; do not accept "Neptune"]
2. Several pictures by this artist used Adrianus Jacobus Zuyderland as a model, including a work showing him dressed all in blue sitting in a chair with his head in his hands. In addition to that work, sometimes called *Sorrowing Old Man* and sometimes *At Eternity's Gate*, this artist painted a man leaning on his right hand with a foxglove plant in front of him. This artist also showed a poor family eating around a table with a small lamp hanging above. In addition to *Portrait of Dr. Gachet* and *The Potato Eaters*, this artist painted *Starry Night*. Name this artist who cut off part of his left ear.
Answer: Vincent (Willem) **van Gogh**
3. In July 2013, Colombia became the first country to eliminate transmission of onchocerciasis [AHN-kuh-sur-SY-uh-siss], the most common parasitic disease of this organ. The ancestral *Pax6* gene controls development of this organ in all bilateral species, and the "light switch" theory holds that evolution of it triggered the Cambrian Explosion. Growth of new blood vessels in the choroid can lead to the "wet" form of macular degeneration in this organ that requires vitamin A for its rods to function. Glaucoma and cataracts impair what organ that detects light at the retina to produce vision?
Answer: **eye** [accept **onchocerciasis** before it is mentioned]
4. What is now this country was controlled by Mikael Sehul for part of the 18th century. Sehul was defeated by Wand Bewossen many years after arranging the death of Iyoas the First. More recently, Chairman Mengistu ended the rule of this country by a committee called the Derg in 1987. One of its earlier leaders, Tewodros the Second, invaded its region of Shewa in 1855, taking captive its future leader Menelek the Second. Many of its leaders have claimed to be descended from Solomon, including the man who fled this country in 1936 during an Italian invasion. Name this East African country once headed by Haile Selassie from Addis Ababa.
Answer: (Federal Democratic Republic of) **Ethiopia**

5. Modern devices for measuring this phenomenon rely on proton precession, and noted anomalies in it have been detected in Mongolia and the South Atlantic. Both the ring current and ionospheric dynamo contribute to this phenomenon that was first measured by Gauss in 1835. The zebra-striped pattern of the ocean floor records past reversals of this entity that interacts with the solar wind to create auroras. The rotation of the liquid outer core contributes to what phenomenon that causes a compass needle to align with the poles?

Answer: Earth's magnetic field [or geomagnetic field or geomagnetism; accept magnetosphere; prompt on (ferro)magnetism]

6. This person was originally funded by Alexander Malcomson, who then went broke competing with him. This person then funded the efforts of Louis Lochner and Rosika Schwimmer to end World War One, traveling with them to Oslo in the *Oscar II*, which became nicknamed the "Peace Ship". He started a newspaper in 1920 whose articles were collected to form a book based on what it called "The World's Foremost Problem", *The International Jew*. He developed the River Rouge Factory in Dearborn, Michigan, which constructed parts for his Model T. Name this industrialist who started a car company.

Answer: Henry **Ford**

7. One of this character's most prized possessions is a baseball mitt with poems written all over it. This character is attacked by the pimp Maurice because he only pays five dollars for his time with the prostitute Sunny. This character is irritated when his former neighbor Jane Gallagher goes on a date with Stradlater. His younger brother Allie died of leukemia, and his older brother D. B. is a Hollywood screenwriter. This character runs away from Pencey Prep to New York City, and he confides strongly in his little sister Phoebe. Name this "phony"-hating protagonist of J.D Salinger's *Catcher in the Rye*.

Answer: **Holden Caulfield** [accept either]

8. Before the honeycomb conjecture, these shapes were the subject of Thomas Hales' proof of the Kepler conjecture, which gives the most efficient way to pack these shapes into a space. A set consisting of the complex numbers and a point at infinity is called the Riemann type of this shape. It can be generated in cylindrical coordinates by setting $r^2 + z^2$ ["r squared plus z squared"] equal to a constant, and this shape can be generated in a coordinate system named for it by setting rho equal to a constant. Geodesics on this shape are called great circles, and the formula for its volume is four-thirds pi times radius cubed. Name this three-dimensional figure.

Answer: (2-)spheres

9. This writer described a “look I shall never forget” from the face of a deceased son and comrade in “Vigil Strange I Kept on the Field”. The narrator of one of his short poems tells of becoming “tired and sick” before leaving a lecture; that poem is “When I Heard the Learned Astronomer”. One of his long poems states “What I assume you shall assume” and “I am large, I contain multitudes.” This poet wrote “Our fearful trip is done” in one of his works remembering Abraham Lincoln, entitled “O Captain! My Captain!”. Name this poet of “Song of Myself”, whose works were collected in *Leaves of Grass*.

Answer: Walt(er) **Whitman**

10. Cläre [KLAR-uh] Tisch supported this system in a namesake calculation debate against Ludwig von Mises and other members of the Austrian school of economics. Joseph Schumpeter asked whether this system can work in a book about capitalism, this system, and democracy. People wanting a gradual transition to this system started the Fabian Society. Vietnam claims to be this type of republic, and the Soviet Union claimed to be a union of this type of republics. This was a stage that would precede the common ownership of communism according to Marxists. Name this planned economy in which the means of production can be controlled by the government.

Answer: **socialism** [or **socialist**]

11. This document begins by granting freedom to a church, which is followed by several statements on inheritances. Clause ten of this document allowed for children to pay off inherited debt after they were of age. After clause 61 of this agreement was renounced, the First Baron’s War was fought as a result. The monarch who signed this document had been excommunicated by Pope Innocent III. This document was preceded by the Charter of Liberties and signed at Runnymede. Name this agreement that barons forced upon King John that limited the power of the monarchy.

Answer: **Magna Carta** (Libertatum)

12. This person’s company designed the Budapest-Nyugati Railway Terminal, and he designed the first bridge at Cubzac, which was redesigned by his grandson. A structure he designed is gaining new pavilions on its first floor designed by Moatti-Rivière that are brown and red sheet metal on two sides and the roof, with glass fronts and backs. That structure named for this person is at one end of the Champ de Mars [shahm day mar], and it consists of four lattice girders that are separate at the bottom. Name this architect who is the namesake of what became the tallest structure in the world in 1889, a tower in Paris.

Answer: (Alexandre) Gustave **Eiffel** (**Bönickhausen**) [accept either underlined name]

13. The southeastern part of this country, including the city of Jacobabad, is the province of Sindh. The western side of this country includes the Balochistan region, which includes the Toba Kakar Mountain Range and the Bolan Pass. Its city of Peshawar is also near its western boundary by the Khyber Pass, and on its northern border with China this country includes Mount Godwin-Austen, or K2. Its most populous city, located on the Arabian Sea, is Karachi, and this country includes most of the Indus River Valley. Name this country that has had several disputes with India over the status of Jammu and Kashmir.

Answer: (Islamic Republic of) **Pakistan**

14. A very short work by this writer ends with a character saying “No, in reality: in parable you have lost.” One of this man’s stories centers on a machine that inscribes the law that a criminal broke on his body. This author of “On Parables” and “In the Penal Colony” also wrote a novel in which the protagonist, who kisses Fräulein Bürstner, never learns of the crime that he is charged with. Another one of this author’s characters is paralyzed by an apple; that character, Gregor Samsa, wakes up and finds that he has transformed into an insect. Name this Czech author of *The Trial* and “The Metamorphosis”.

Answer: Franz **Kafka**

15. The first piece in this composer’s Opus 25 was nicknamed the *Aeolian Harp Étude* by Robert Schumann. Though he often did not name his works, he named a few pieces *Grande valse brillante*. Another work by this writer was nicknamed *Heroic Polonaise* thanks to writings by his companion George Sand. The last piece in this composer’s Opus 10 was dedicated to his friend Franz Liszt and became known as the *Revolutionary Étude*. Another piece, which was compared to a “dog chasing its tail”, is short but about twice as long as its name implies. Name this Polish-French composer of the *Minute Waltz*.

Answer: Frédéric (François) **Chopin** [or Fryderyk (Franciszek) **Chopin**]

16. This element is often used in mass spectrometers to detect leaks because it is a very minor constituent of air, it is safe, and it is easy to separate from other gases. Though not part of natural gas, this element is released during natural gas extraction, which is increasing the cost of cooling MRI scanners due to a shortage of this element. The fusion of three of its nuclei creates a carbon nucleus. The name of this element arose because it was first observed in the Sun’s spectrum, and its nucleus is an alpha particle. Name this lightest noble gas, the second element on the periodic table.

Answer: **helium** [prompt on **He**]

17. Politicians have justified several government regulations of this action by pointing to the trial of Kermit Gosnell. Those regulations have addressed air conditioning in Pennsylvania, janitor’s closets in Kansas, and hallways in Virginia. A failed attempt to stop regulations of this action in Texas led to a filibuster by Wendy Davis in June 2013. This procedure led to a rift between Susan G. Komen for the Cure and Planned Parenthood. Some states have required people to have probes or ultrasounds before undergoing this procedure. Name this medical procedure that terminates a pregnancy.

Answer: **abortion** [accept word forms; before the last three words, accept **pregnancy termination** or variations that include forms of both of those words]

18. A thought experiment attributed to this person involved a cannon on top of a mountain. This person is the namesake of the relationship making heat loss proportional to the temperature difference between an object and its environment. Generally credited with building the first useful reflecting telescope, he explained why Kepler’s laws of planetary motion are true in his *Principia* [*prin-KIP-ee-uh*], which also included this man’s law of universal gravitation. Name this scientist whose three laws of motion are a basis of classical physics, the namesake of the SI unit of force.

Answer: Sir Isaac **Newton**

19. In this play, one character is kicked by a man after trying to wipe away that man’s tears with a handkerchief, and a boy acting as a messenger of the title character calls a character “Mister Albert”. One character remarks “Come on, Gogo, return the ball, can’t you. . . ?” In the second act of this play, one man becomes blind, while another becomes dumb. Those characters, the latter of whom is a slave who only speaks when he wears a hat, are Pozzo and Lucky. This play begins with the line “Nothing to be done”. Name this play about Vladimir and Estragon, who can’t go because they are performing the title action, by Samuel Beckett.

Answer: **Waiting For Godot** [“GOD”-oh] [or **En attendant Godot**]

20. This leader’s general Trebonius led a siege against the city of Massilia. This leader’s plan to besiege an enemy against the sea was thwarted when two defectors told his enemy about the gaps in his walls, leading to this leader’s retreat from Dyrrhachium. He used a hidden fourth regiment of infantry to turn the enemy’s left flank and win the Battle of Pharsalus, after which this leader fought Ptolemy the Thirteenth alongside Cleopatra. Name this Roman leader who began a civil war against Pompey after crossing the Rubicon, and was eventually assassinated by Cassius and Brutus in 44 BCE on the Ides of March.

Answer: (Gaius) Julius **Caesar**

TB. This leader's southern conquests were carried out by Bayan of the Baarin, who due to a misunderstanding became known as Bayan of the Hundred Eyes. His success was finalized at the Battle of Yamen. Loyalists to Ariq Böke claimed that this person was too respectful of Chinese thinking. This successor of Möngke is credited with ending the Song Dynasty. An attempt to appoint the brother of this person as leader was made at Karakorum, and the supporters of that brother eventually supported Kaidu. Name this host of Marco Polo, who started the Yuan Dynasty and was the grandson of Genghis.

Answer: **Kublai** Khan [accept **Shizu**; prompt on **Yuan** or **Khan**]

TB. Ignaz Semmelweis' pioneering use of antiseptics occurred at a clinic for patients with this condition. One type of cancer associated with it usually follows a hydatidiform mole. Tests for this condition measure the level of HCG, and higher intake of the vitamin folic acid is advisable during it. The ectopic form of this condition often results from implantation in the Fallopian tube, while morning sickness is common in the first trimester. Name this condition that usually lasts about 38 weeks, in which a woman carries her developing child in her uterus.

Answer: **pregnancy** [accept word forms]

TB. Identify the color that names an 1869 "River" Rebellion against the newly formed government of Canada, marks the Great Spot of Jupiter, and describes both Republican states on an election map and the carpet used to line a walkway for VIPs.

Answer: **red**