

New Trier Scobol Solo 2013

Round 8



1. This person became the secretary of defense after the Senate voted down John Tower, and he had served earlier as an aide to Donald Rumsfeld, chief of staff to Gerald Ford, and U.S. congressman from Wyoming. During this person's time as vice president, one of his chiefs of staff, Scooter Libby, was convicted after leaking the name of a CIA officer. Before becoming vice president, this person was the CEO of Halliburton Company, a company whose critics claim received no-bid contracts during the Iraq War. Name this politician who served as vice president under President George W. Bush.
Answer: (Richard Bruce) "Dick" **Cheney**
2. One formula to find force multiplies two values of this quantity divided by distance times vacuum permeability divided by two pi. The double integral of the density of this quantity is equal to the closed line integral of a magnetic field. This quantity times the differential of length is crossed with displacement in the Biot-Savart law. One measurement of power squares this quantity and multiplies it times resistance. This quantity equals voltage divided by resistance according to Ohm's Law. Name this quantity equal to charge per time that is commonly measured in amperes.
Answer: electric(al) **current**
3. This poet wrote "None can do Treason to us, except one of us two" in his work celebrating one year of love, "The Anniversary". Another work by this poet compares two lovers to the ends of a compass, saying "Thy firmness makes my circle just." This writer's prose in *Devotions upon Emergent Occasions* supplied the title for Hemingway's *For Whom the Bell Tolls*. This poet of "A Valediction: Forbidding Mourning" wrote a work addressed to something that he claims "shall be no more". Name this metaphysical poet whose *Holy Sonnets* includes the poem beginning "Death be not proud" and who wrote "No man is an island."
Answer: John **Donne** [dun]
4. Two of these elements can cause a substance to become metamict [meh-tah-MIKT], meaning the substance loses its crystal structure. Monazite [MAH-nuh-zite] and allanite are two such substances. Before it became easier to use lithium, one of these elements was used to power several pacemakers. The majority of these elements were first synthesized during the 1940s and 50s, with much of the work done by Glenn Seaborg. Two of these elements were the primary fillings in the atomic bombs used during World War II. Name these elements, most of which are created by adding electrons to the 5f electron shell, found below the lanthanides on the periodic table.
Answer: **actinides** [prompt on **radioactive** elements; do not accept "transuranic" or "transuranium" or "transplutonic" or "transplutonium"]

5. This person composed a work for harpsichord that consisted of variations on an aria for Count Kaiserling. An arrangement of one of his works called for an “Air on the G String”, and he made a *Notebook for Anna Magdalena*. This man composed a work based on a theme provided to him by Frederick the Great in the *Musical Offering*. This person also composed a work which included 24 preludes and fugues, one for each key, and he composed six concertos for the Margrave Christian Ludwig. Name this Baroque composer of *The Well-Tempered Clavier* and the *Brandenburg Concertos*.
Answer: **Johann Sebastian Bach** [prompt on partial answer]
6. The northeast part of this country, including the desert castle Kharaneh and the ancient ruins at Umm el-Jimal, is Mafraq, which is one of this country’s twelve governorates. The rift valley which shares its name with this country and forms much of its western border includes the Arabah, and the northwest corner of this country is near the body of water known as Lake Tiberias or the Sea of Galilee. Its southwest corner is on the Gulf of Aqaba, which is not far from this country’s ancient city of Petra. Name this country bordering Syria, Iraq, Saudi Arabia, and Israel, whose capital is Amman.
Answer: (Hashemite Kingdom of) **Jordan**
7. Irish Catholics in a battalion named for Saint Patrick were hanged for defecting in this war, during which Philip Saint George Cooke led the only religious military unit in American history, the Mormon Battalion. One campaign in this war ended with the rendezvous of Robert Stockton and Stephen Kearny [KAR-nee] near the site of the Bear Flag Revolt. Six teenage boys died defending Chapultepec Castle in this war, which saw battles at Veracruz and Buena Vista won by Winfield Scott and Zachary Taylor, respectively. Name this 1846 to 1848 war fought between the United States and its southern neighbor.
Answer: **Mexican-American War**
8. One film by this director ends with a character played by Griffin Dunne showing up for work after being unable to get home all night. His film based on a novel by Nikos Kazantzakis was boycotted because of its depiction of Jesus. One of this director’s characters becomes obsessed with saving a child prostitute played by Jodie Foster. This director of *After Hours* and *The Last Temptation of Christ* also made films about real people, such as boxer Jake LaMotta and mob informant Henry Hill. Name this director who worked with Robert De Niro on films such as *Raging Bull*, *Taxi Driver*, and *Goodfellas*.
Answer: Martin **Scorsese**

9. In a novel by this man, a banker faces a mob after discovering that he is partly of African-American descent. In addition to writing *Kingsblood Royal*, this author wrote about an engineer who sells the Revelation Automobile Company and a college football star who falls in love with evangelist Sharon Falconer after being ordained as a priest. This author of *Dodsworth* and *Elmer Gantry* created the fictional town of Zenith, where May Arnold has an affair with Paul Riesling, and Tanis Judique has an affair with a real estate broker. Name this author of *Babbitt*.

Answer: (Harry) Sinclair **Lewis**

10. This deity's gift of a perfect memory was inherited by his son Aethalides [AA-thuh-LEE-dees], and he aided the fight against Typhon by reattaching Zeus's tendons. This deity rescued Ares from captivity in a bronze jar and put to sleep the 100 eyes of Hera's watchman Argus in order to slay it. On the day of his birth, he stole Apollo's cattle and used a tortoise shell to invent the lyre. He informed Perseus of the location of the Graeae [GRAY-ay] and possesses a staff called the caduceus [kuh-DOO-see-us]. Name this Greek messenger god who wears winged sandals.

Answer: **Hermes** [accept **Mercury**]

11. In several locations in recent years, this phenomenon has enhanced the ability of bacteria to methylate mercury. Tree roots are stunted when this condition mobilizes aluminum ions while at the same time leaching nutrients like calcium and magnesium from the soil. This type of pollution has eliminated all fish from some Norwegian rivers, and it is responsible for dissolving marble and limestone monuments on the National Mall. This is caused by nitrogen and sulfur oxides released from fossil fuels, and this is regulated in the U.S. by emissions trading. Identify this type of pollution named for its low pH.

Answer: **acid rain** [accept **acid deposition**; do not prompt on "rain"]

12. This person rose to power in a coup along with Roger Ducos and Emmanuel Joseph Sieyès [s'yeh-yess] and quickly became First Consul. This leader issued the Milan Decree in a failed attempt to enforce the Berlin Decree, his failed attempts to economically isolate the United Kingdom from the rest of Europe. This general beat Tsar Alexander the First at the Battle of Austerlitz after this man's navy was decimated by Horatio Nelson at the Battle of the Nile, and he was eventually defeated by the Duke of Wellington. Name this French Emperor who lost the Battle of Waterloo and was exiled to St. Helena.

Answer: **Napoleon** I [or Napoleon **Bonaparte**]

13. Sodium metabisulfite is added to the tissue sample to diagnose this disease, which is caused by a single substitution of valine for glutamic acid. Hydroxyurea [hi-DROK-see-yoo-ree-uh] can treat this disease by inducing production of the fetal form of hemoglobin, which if left untreated can cause the spleen to simultaneously enlarge and deteriorate. Heterozygote advantage may explain the prevalence of this disease in malaria-stricken regions like sub-Saharan Africa. Often triggered by low oxygen concentration, name this hereditary disease in which small blood vessels may be blocked by the characteristic crescent-shaped red blood cells.

Answer: **sickle-cell** anemia [or **sickle-cell** disease]

14. One of this author's characters writes the long poem *The Oak Tree*, which is criticized by Nicholas Greene. This author also wrote an extended essay whose narrator is identified as "Mary Beaton, Mary Seton, or Mary Carmichael" and which describes a fictional sister of Shakespeare named Judith. Those works are *Orlando* and *A Room Of One's Own*. In another novel by this author, Mr. Ramsay tells his son James that the weather the next day will not allow them to visit the title location in the Hebrides [HEH-brih-dees]. Name this stream-of-consciousness author of *To the Lighthouse*.

Answer: Virginia **Woolf**

15. This leader is facing demands to improve nursing care and establish a national minimum wage in negotiations with Sigmar Gabriel. Those negotiations are taking place after this leader's party won 42 percent of the vote in September 2013 elections. Edmund Stoiber represented this person's party back in 2002. This person stated "spying among friends is never acceptable", and received an apology from President Obama when it was discovered that the National Security Agency tracked her phone calls. Name this leader of the Christian Democratic Union who is the Chancellor of Germany.

Answer: Angela [AHN-geh-lah] (Dorothea) **Merkel**

16. In one painting by this artist, a woman in a purple dress with a black bicycle and a woman with a green dress watch as a man leaning over the side of a boat uses a trident with four prongs to catch a fish. In addition to painting *Night Fishing at Antibes* [an-teeb], this artist showed a dog lying behind a clarinetist wearing blue and white, who is next to a singing monk and a guitar player. In another work by this artist, a blind guitarist sits with his legs crossed and his face pointing downward. That work is from this artist's Blue Period. Name this artist of *The Three Musicians* and *The Old Guitarist* who also painted *Guernica* [gair-NEE-kah].

Answer: Pablo (Ruiz y) **Picasso**

17. Lawrence Kohlberg claimed that people used this type of operation to reach his highest stage. David Hume wrote that public utility is the sole origin of this concept and imagined societies where this concept is not necessary. Howard Zehr and Gerry Johnstone write about the restorative type of this. The distributive type of this is the subject of a theory by John Rawls, who built his conception of this concept on liberty and equality, equating this concept with fairness. Name this concept closely tied to the judicial system, being the name used for Supreme Court judges and the department headed by the Attorney General.

Answer: **justice**

18. Two values of this quantity are compared in a two-sample *t*-test. In a chi-squared [KYE “squared”] distribution, this value is equal to the number of degrees of freedom. For a function, this value can be calculated by dividing its integral by the width of the interval of the integral. Often represented by a letter with a bar over it, this number for a distribution is equal to the expected value. There are harmonic and geometric versions of this quantity, the latter of which is found by taking the root of a product. Name this value found by adding a set of numbers and dividing by the number of values in the set.

Answer: arithmetic **mean** [accept **average**; accept **expected value** before it is mentioned]

19. An author from this country wrote about The Maniac, who impersonates a judge in *Accidental Death of an Anarchist*. Another author from this country wrote of a boy who steals a Nazi’s gun in *The Path to the Nest of Spiders*. Another writer from this country wrote about interruptions to a production of a play by characters such as the Father and the Mother in *Six Characters in Search of an Author*. A series of one hundred tales is told in another work from this country called *The Decameron*. Identify this country, the home of Dario Fo, Italo Calvino, Luigi Pirandello, and Boccaccio [boh-KAHT-choh].

Answer: **Italy** [or **Italia**]

20. Herodotus claimed that people who lived in what is now this country gathered cinnamon after it broke from birds’ nests. This country set its southern border in 1934 by signing the Treaty of Taif [ty-EEF], while its northern border through much of the 20th century had two neutral zones. In 1975, its king was assassinated by his nephew, and this country has been run by a series of half-brothers since 1953. An earlier version of this country was created with the support of theologian Muhammad Abd al-Wahhab, while the modern version was started by Abdul Aziz. Name this kingdom that contains the Muslim holy cities of Medina and Mecca.

Answer: (Kingdom of) **Saudi Arabia** [prompt on The **Kingdom** or **Arabia**]

TB. A new art gallery in this city is in the shape of an ellipse and surrounded by aluminum panels that allow outsiders to see into the building; it is called Circa on Jellicoe. This city's Sandton district includes the curved Alice Lane, or Norton Rose, Towers. This city also contains Carlton Centre, the tallest building in Africa, and Hillbrow Tower, the tallest man-made structure in Africa. Its soccer stadium, nicknamed the Calabash, is actually First National Bank Stadium and was the site of the 2010 World Cup Finals. Name this city, which is not one of the three capitals of, but is the most populous city in, South Africa.

Answer: **Johannesburg**, South Africa

TB. Just before the Civil War, the head of this department, John Adams Dix, sent a message saying "If any one attempts to haul down the American flag, shoot him on the spot." Soon after that, Dix was replaced by future Supreme Court Justice Salmon P. Chase. This department used to control the Bureau of Alcohol, Tobacco and Firearms, but that is now handled by Justice and Homeland Security. This department's role was strengthened by the 16th amendment. Name this cabinet-level department, first headed by Alexander Hamilton, that oversees the U.S. Mint and Internal Revenue Service.

Answer: U.S. Department of the **Treasury** [accept **Treasury** Department, do not accept "Secretary of the Treasury"]

TB. Identify the color that appears with black in the title of a *Nocturne* painting subtitled *The Falling Rocket*, is found in the name of a Mongol Horde that ruled southern Russia for two centuries, and describes the type of medal awarded to first place athletes in the Olympics.

Answer: **gold** [accept **golden**]