

ALL 11/28/16

SET L

Varsity Practice

2016 - 2017

AMERICAN LITERATURE: Answer the following about Hester Prynne.

Team A: Hester is the protagonist of what great 1850 novel?

Ans: *(The) Scarlet Letter*

Team B: What is the name of Hester's illegitimate daughter?

Ans: Pearl

Toss Up: Hester is forced to live on the outskirts of what colonial city?

Ans: Boston

MATH: 60 SECONDS: Find the least common multiple of the following.

Team B: 20, 36, and 45

Ans: 180

Team A: 24, 28, 42

Ans: 168

Toss Up: 25, 40, 60

Ans: 600

WORLD HISTORY: Give regnal numbers where necessary.

Team A: Who is the longest reigning monarch of England?

Ans: (Queen) Elizabeth II

Team B: In September, 2015, Elizabeth surpassed the reign of what monarch, who had previously been the longest reigning monarch?

Ans: (Queen) Victoria

Toss Up: What king, who was crowned in 1760 and died in 1820, was the longest reigning king of the UK, even though he was insane for many of his last years?

Ans: (King) George III

FINE ARTS: Identify the following about architect Frank Gehry [Gary]

Team B: In 1992, Gehry created a famous "Fish Pavilion" for the 1992 Olympics located in what Spanish city?

Ans: Barcelona

Team A: Also located in Spain is this famous art museum which Gehry designed in Bilbao and which opened in 1997. What is this museum, whose counterpart in New York City was designed by Frank Lloyd Wright?

Ans: Guggenheim

Toss Up: This museum, which opened in 2000, was the brainchild of Microsoft founder Paul Allen. The earliest model was constructed from pieces of cut-up guitars. Sometimes seen as a rival to Cleveland's *Rock and Roll Hall of Fame* is what Seattle structure?

Ans: Experimental Music Project (Museum ) [also accept EMP]

## LIFE SCIENCE

Team A: When bacteria are classified as aerobic, microaerophilic, or anaerobic, they are being classified according to their ability to react with what element?

Ans: oxygen

Team B: In classifying and studying bacteria, scientists use what basic shallow glass or plastic container first developed in 1887?

Ans: Petri dish

Toss Up: In 1884, this Danish physician developed a method of staining bacterial cultures to discover much about their structure. Who was this man, whose name is given to this staining method?

Ans: (Hans Christian) Gram

## ENGLISH/WORLD LITERATURE

Team B: In what 1897 drama does an eloquent 17th century French poet who is also a brilliant swordsman but has a grotesque nose attempt to woo the woman he loves on behalf of someone else?

Ans: *Cyrano de Bergerac*

Team A: *Cyrano de Bergerac* is the work of what French playwright?

Ans: (Edmond) Rostand

Toss Up: The 1987 movie adaptation of *Cyrano* uses as its title this name of the woman whom Cyrano loves. She is Cyrano's beautiful cousin who is in love with the honorable but not especially quick-witted soldier named Christian. Name the movie, and you name what sympathetic but somewhat shallow heroine?

Ans: Roxanne

GOVERNMENT/ECONOMICS: Nineteen US governmental agencies can be identified by acronyms and abbreviations that begin with the letter "F" because the "F" stands for "Federal." For these questions, you are asked to identify the meaning of the following acronym agencies in which the "F" does NOT stand for "federal."

Team A: FDA

Ans: Food and Drug Administration

Team B: FWS--an agency within the Department of the Interior

Ans: Fish and Wildlife Service

Toss Up: Forty-two percent of this agency's budget is spent fighting fires, many of which were in the news in 2015. It is an agency of the Department of Agriculture. What is the meaning of the abbreviation FS, an agency whose first chief was Gifford Pinchot?

Ans: Forest Service

PHYSICAL SCIENCE: Identify these findings of Albert Einstein, all of which he described in the year 1905.

Team B: In his dissertation on the photoelectric effect, Einstein described what elements of light quanta?

Ans: photon(s)

Team A: In his fourth dissertation, he formulated what famous equation?

Ans:  $E=mc^2$

Toss Up: In his second dissertation, Einstein explained the motion that occurs when atoms randomly collide. What name is given to this type of motion that was first described in 1827 by a British botanist?

Ans: Brownian

## WORLD GEOGRAPHY

Team A: What river carved the Grand Canyon?

Ans: Colorado (River)

Team B: After arising in Colorado, the river flows to what lake which was created by the Hoover Dam?

Ans: (Lake) Mead

Toss Up: The mouth of the Colorado River is at what specific body of water ?

Ans: Gulf of California [also accept Sea of Cortez]

## AMERICAN HISTORY: Identify the following about the Missouri Compromise.

Team B: When Missouri was admitted to the Union as a slave state, what other state was admitted as a free state to maintain the delicate balance then in existence?

Ans: Maine

Team A: What Kentucky senator earned the nickname "The Great Pacificator" because he was the chief architect of the Missouri Compromise?

Ans: (Henry) Clay

Toss Up: The Missouri Compromise was effectively overridden by what landmark law of 1854?

Ans: Kansas-Nebraska (Act or Law)

## ALPHABET ROUND "D"

1. A 12-sided polygon
2. Biblical woman who subdued Samson by cutting his hair
3. TWO-WORD ANSWER: Name given to parts of the American Midwest and Southwest because of the severe drought during the Great Depression
4. TWO-WORD ANSWER: Famous tone poem by Camille Saint-Saens about a visit from Death on Halloween; included in many musical scores, especially Halloween cartoons
5. TWO-WORD ANSWER: common term for capital punishment
6. Quality of metals that allows them to be drawn into wires or hammered into sheets
7. Innocent wife whom Othello suspects of infidelity
8. Russian word for "yes"
9. TWO-PART ANSWER: "bubble" in the economic sectors of tech-savvy nations that lasted from 1997 to 2000 and saw tech stocks rise in price well above actual value
10. Sixth largest city in Ohio or city of same name in Tennessee that was site of famous Scopes Trial
11. Name of the largest newspaper in Columbus, Ohio
12. Stage name of great American folk singer and composer Robert Zimmerman who was vocal leader of 1960s protest music with songs such as "Blowin' in the Wind"
13. TWO-WORD ANSWER: genetic condition caused by extra gene on chromosome 21; leads to "Asian" look to face and physical and intellectual delays in development; officially known as Trisomy 21
14. TWO-PART ANSWER: Dutch-born artist who arrived in US as a stowaway and became one of leaders of Abstract Expressionism; famous for treatments of women in paintings
15. African-American author of *The Soul of Black Folks*; considered to be one of the founders of the NAACP
16. European capital city located at the mouth of the River Liffey
17. In economics, the loss of value of assets; opposite of appreciation
18. Greek god of wine and revelry
19. Mexican president from 1884 to 1911; helped overthrow the Emperor Maximilian but was himself overthrown and forced to flee to France
20. MULTI-WORD ANSWER: Latin term that comes from a Greek stage device; now a literary term that applies to any improbable circumstance necessary to bring a plot to a satisfactory conclusion

## ANSWERS TO ALPHABET ROUND "D"

1. dodecagon
2. Delilah
3. Dust Bowl
4. *Danse Macabre*
5. death penalty
6. ductility [accept forms of the word]
7. Desdemona
8. *da*
9. dot com
10. Dayton
11. *Dispatch*
12. Dylan (Bob)
13. Down's Syndrome
14. de Kooning (Willem)
15. Dubois (W.E.B.)
16. Dublin (Ireland)
17. depreciation [accept forms of the word]
18. Dionysus
19. Diaz (Porfirio)
20. *deus ex machina*

## FINAL ROUND

1. What American woman won the Nobel Peace Prize for her work at Hull House?

Ans: (Jane) Addams

2. What is the sine of an angle of 30 degrees?

Ans: 1/2 OR .5

3. In order to produce margarine, hydrogen and vegetable oils are catalyzed by what element with atomic number 28 and symbol Ni?

Ans: nickel

4. Anjou, Bosc, and Bartlett are among the most popular varieties of what fruit?

Ans: pear(s)

5. In art, what word that starts with "s" is often used in contrast to "mobile"?

Ans: stabile

6. Leopold Bloom is the central character in what lengthy James Joyce work?

Ans: *Ulysses*

7. In 2006, the so-called "Halloween Massacre" took place when this country decided to place a 30% tax on all trusts, which would thus be taxed the same as industry. This "Massacre" took place in what nation, which is the world's second largest in area?

Ans: Canada

8. Susano is a trouble-making god in the mythology of what Asian nation?

Ans: Japan [allow clarification on Shinto or Shintoism on an early buzz]

9. The Lucayan people were the original inhabitants of what Caribbean nation that is an archipelago of over 700 islands southeast of Florida?

Ans: (the) Bahamans

10. Name either of the two James Cameron-directed films that occupy the first and second positions on the list of top-grossing films of all time.

Ans: EITHER *Titanic* OR *Avatar*



11. The first jet engine powered aircraft was developed in what country, which actually developed jet fighters near the end of World War II but not in time to save its famous Luftwaffe?

Ans: Germany

12. Located in the Sierra Nevada Range is what highest mountain in the contiguous United States?

Ans: (Mt.) Whitney

13. Her real name was Sophie, and she was Prussian, not Russian, but what woman nevertheless overthrew her husband to become the ruler of Russia in 1762 and to reign for 34 years?

Ans: Catherine the Great [also accept Catherine II; prompt on partial answer]

14. During the 19th century, August Wilhelm adapted Bach's *Air from Orchestral Suite No. 3* so that it could be played entirely on what single string of the violin?

Ans: G

15. The "Festival of Fast Breaking," or Eid al-Fitr, is a major celebration of what religious faith?

Ans: Islam [also accept Muslim; also accept Ramadan, since this festival is part of the Ramadan holy day]

16. What is the most common Russian word for friend, a word that when transliterated looks like it could be aspirin or morphine?

Ans: drug [pronounced droog]

17. What African-American author titled his 1945 autobiography *Black Boy*, although it is less read than his novel, *Native Son*?

Ans: (Richard) Wright

18. In 1989, the United States and the countries in the European Union banned the importing of what material that was once the main veneer for the white keys on a piano?

Ans: ivory

19. Besides Dwight Eisenhower, name any of the other two US presidents who went directly to the White House from the military without ever having held elected office.

Ans: EITHER (Zachary) Taylor OR (Ulysses) Grant

20. What is the greatest common factor of 16, 24, and 28?

Ans: 4