

SET X

Varsity Practice

2016 - 2017

AMERICAN LITERATURE

Team A: The Hasty Pudding Club, which has been performing dramas since 1844 and claims to be the oldest continuous dramatic company in the U. S., is composed of students from what Ivy League school?

Ans: Harvard

Team B: The Hartford Wits, who are also called the Connecticut Wits, were a group of 19th century poets, most of whom were graduates of what other Ivy League school?

Ans: Yale

Toss Up: Robert Frost was involved in the founding of the Bread Loaf School of English at this small, liberal arts Vermont college. Named for the nearby Bread Loaf Mountain, it is one of the nation's foremost--and most expensive--private schools. Located in Ripton but with branch campuses in other places including Oxford, is what small school, whose admission rate is only 17% and whose total cost for a year exceeds \$57,000?

Ans: Middlebury (College)

MATH: 60 SECONDS: Solve for exact real solutions.

Team B:  $7^x = 4$  [Read "seven to the x power equals four"]

Ans:  $\log 4 / \log 7$  OR  $\ln 4 / \ln 7$  [the common log of 4 over the common log of 7  
 OR the natural log of 4 over the natural log of 7]  
 ONLY one answer required

Team A:  $\log_a x + \log_a (x + 1) = \log_a 6$  [log base a of x plus the log base a of x plus 1]

Ans:  $(x =) 2$

Toss Up:  $e^{2x} - 4e^x + 3 = 0$  [Read e to the two x minus 4 e to the x plus 3 equals zero]

Ans:  $x = 0$  AND  $x = \ln 3$  [x equals zero and x equals the natural log of 3]  
 [Both answers are required but they can be in either order]

**WORLD HISTORY: TEAM QUESTIONS ONLY WILL BE 20 SECONDS:** For the team questions in this round, you will be given a list of three countries. You are to identify whether each country fought in **World War II** as an Allied nation, an Axis nation, or did not fight and remained at least nominally neutral. Thus the team questions will require a three-part answer, and you will not be ruled correct or incorrect on a partial answer.

Team A:      1. Belgium  
                 2. Yugoslavia  
                 3. Finland

Ans: 1--Allied, 2--Allied, 3--Axis

Team B:      1. Bulgaria  
                 2. Mexico  
                 3. Spain

Ans: 1--Axis, 2--Allied, 3--Neutral

Toss Up:     **TEN SECONDS**

On January 25, 1942, this country became the last to join the Axis powers. Its action was primarily a way to avoid Japanese occupation, since Japan was using the nation as a supply route for its army's invasion of Burma. What is this country, which had once been known as Siam?

Ans: Thailand

## **FINE ARTS**

Team B:      Heavy opera began to give way to the lighter operetta form as part of what movement of the 19th century that was prevalent in art, music, and literature?

Ans: Romantic

Team A:      Among the best known operettas are the works of what two Englishmen, who composed *HMS Pinafore*?

Ans: (William) Gilbert and (Arthur) Sullivan [either order]

Toss Up:     This man was credited with furthering the early operetta form in France. His works combined the grotesque and the frivolous in such a way as to be regarded as highly risqué. Whose most famous work, *Orpheus in the Underworld*, contains the famous "Can-can" sequence?

Ans: (Jacques) Offenbach

## LIFE SCIENCE

Team A: What term describes the region on a gene where coding information actually begins?

Ans: promoter

Team B: What term describes the region on a gene which identifies the end of the coding information?

Ans: terminator

Toss Up: The unit for measuring distances between genes is named for this American biologist. He was the first to map genes and is credited with formulating the chromosome theory of heredity. He won the 1933 Nobel Prize in Physiology or Medicine for his studies of genetic mutations. Who is this man, famous for his experiments involving fruit flies?

Ans: (Thomas Hunt) Morgan

## ENGLISH/WORLD LITERATURE

Team B: What Thomas Hardy novel features the love between Bathsheba Everdeen and Gabriel Oakes?

Ans: *Far from the Madding Crowd* [do not accept "Maddening"]

Team A: Clym Yeobright and Eustacia Vye are the main characters of what Hardy novel?

Ans: *(The) Return of the Native*

Toss Up: The title character of this Hardy novel is seduced by Alec of the title family. She is then forsaken by her husband, Angel Clare. When Alec again attempts to seduce her, she kills him. Angel regrets his actions, takes her back, and attempts to hide her, but she is captured, tried, and executed. What is this novel which presents Hardy's strongest heroine?

Ans: *Tess of the D'Urbervilles*

GOVERNMENT/ECONOMICS: Identify the following cabinet level departments in the Ohio state government that have direct counterparts in the federal cabinet. All names were correct as of November 1, 2015.

Team A: David Daniels is the head of what department that maintains the safety of food sources and tries to create economic opportunities for farmers and agribusiness?

Ans: (Department of) Agriculture

Team B: Jerry Wray is the head of what department that is responsible for snow removal from all state highways and for overseeing the turnpike?

Ans: (Department of) Transportation

Toss Up: Headed by Jacqueline Williams, this department administers several responsibilities including regulating cable TV. It also collects unclaimed funds and publishes the names of people to whom money is owed. Its more important responsibilities include regulating banks and securities. What is this department, whose federal counterpart is headed by Penny Pritzker?

Ans: (Department of) Commerce

### PHYSICAL SCIENCE

Team B: What term names the upward force exerted on an airplane wing by the air moving past it?

Ans: lift

Team A: What term names the force that opposes the motion of an object through a fluid?

Ans: drag

Toss Up: Airplane wings often have a tilted surface at the tip in order to reduce this specific form of drag. It is created by the lift of the wing and occurs on the outer edge of it. It causes vortices that can be dangerous to planes flying behind or below other planes. It is the opposite of parasitic drag. What is this form of drag?

Ans: induced (drag)

WORLD GEOGRAPHY: Identify the countries involved in the following border disputes.

Team A: A treaty enacted in 2000 is the current determinant of this border, which has been disputed since 1934. What country on the Arabian Peninsula has carried on this dispute with Saudi Arabia?

Ans: Yemen

Team B: In 1947, when India and Pakistan were divided, what disputed territory was divided between them and has been the cause of three conflicts between the two countries?

Ans: Kashmir

Toss Up: These two countries carried on the "Football War" in 1969 when conflict broke out during a FIFA soccer match. This led to a dispute over territory, which was finally decided by the World Court in 1993. What country carried on this dispute with Honduras, although both must share part of the land with Nicaragua?

Ans: El Salvador [accept Honduras and El Salvador in either order on an early buzz]

AMERICAN HISTORY

Team B: In 1844, what man sent the message "What hath God wrought" to his assistant Alfred Vaill?

Ans: (Samuel F. B.) Morse

Team A: In 1876, what man sent the message "Watson, come here, I need you" to his assistant Thomas Watson?

Ans: (Alexander Graham) Bell

Toss Up: This man's most famous assistant was a Croatian immigrant who was a germaphobe, an egomaniac, and a man who almost never slept. The two men disagreed on many things, but most importantly on whether alternating or direct current was to be preferred. What man's most important assistant was Nikola Tesla?

Ans: (Thomas Alva) Edison

## ALPHABET ROUND "T"

1. MULTI-WORD ANSWER: Charles Dickens novel about Sidney Carton and Charles Darnay and their love for Lucie Manette
2. This name of an early Welsh bard was chosen by Frank Lloyd Wright to name his homes in Wisconsin and Arizona
3. According to Pythagoras, this is the perfect number
4. This fort's capture by Benedict Arnold, Ethan Allen, and the Green Mountain Boys in 1775 was an important early victory for Colonial forces in the American Revolution
5. Scottish, Yorkshire, Jack Russell, and Wheaten are all species of this dog breed
6. French word for the number three
7. ALPHA-NUMBERIC ANSWER: This 1915 novel by John Buchan was turned into a 1935 film by Alfred Hitchcock; story concerns a London man who stumbles into a counterespionage ring
8. The capital of Latvia
9. Two of the four books of the New Testament that are addressed to individuals are addressed to this apostle of Paul
10. Radioactive actinide metal with atomic number 90
11. TWO-WORD ANSWER: Second tallest building in Cleveland, Ohio with a somewhat "fatal" sounding name
12. Ohio city on Lake Erie that is famous for its glass
13. Vitamin also known as B1
14. In Greek mythology, this son of Zeus was punished by being placed in a pool of water beneath branches of fruit that were just out of his reach while the water always receded before he could drink
15. Rose Gumataotao Rios holds this position in the U. S. government
16. Fought in August, 1914, this was Germany's most complete victory of World War I when the German Army surrounded and destroyed the Russian Second Army
17. This son of Odysseus helped his father kill Penelope's suitors after Odysseus' return to Ithaca
18. This is the NBA team in Oklahoma City
19. MULTI-WORD ANSWER: John Steinbeck wrote this work of nonfiction in 1960 when, suffering from a heart condition, he decided to take his poodle and see America one last time.
20. This 1969 rock opera by The Who tells the story of a deaf, dumb, and blind boy who becomes a pinball wizard

## ANSWERS TO ALPHABET ROUND "T"

1. (A) *Tale of Two Cities*
2. Taliesin
3. three or 3
4. (Ft.) Ticonderoga
5. terrier
6. trois
7. (The) *Thirty-Nine Steps*
8. Tallinn
9. Timothy
10. thorium
11. Terminal Tower
12. Toledo
13. thiamine
14. Tantalus
15. Treasurer (of the United States) [Do NOT accept Treasury or Secretary of the Treasury]
16. Tannenberg
17. Telemachus
18. Thunder
19. *Travels with Charley*
20. *Tommy*

## FINAL ROUND

1. Anti-trust laws refer to this economic practice as "predatory pricing," but it is usually known by this seven-letter slang term. What word beginning with "d" refers to the practice, often employed by a dominant firm to endanger a rival, of selling something for less than the cost of producing it?

Ans: dumping

2. This war was fought from 218 to 201 BCE and was largely a fight to control Spain. The deciding battle of this war was a crushing victory for troops under the command of a general named Scipio Africanus. It came after the losing general at that battle had previously captured the Roman-allied city of Sagunto, Spain. What was this war, in which a general named Hannibal successfully crossed the Alps but ultimately committed suicide rather than submit to the Romans?

Ans: Second Punic (War) [prompt if "second" is not given]

3. Although this dance form with a four-letter name is also traditional Ireland, it originated in Scotland and is considered one of the four traditional Scottish dances. The name comes from an Old Gaelic word for "whirl," which the dancers do frequently. The Scottish versions are written in 2/2 time, while the Irish is usually 4/4 with the accent on the first and third notes. What is this dance, whose name is synonymous with an adjective that means "not fake" and is spelled the same way as a piece of fishing equipment?

Ans: reel

4. In ancient Egypt, this insect, called a *Kheper*, became a symbol of creation found on many Egyptian amulets. What is this beetle, which became associated with the god Atum?

Ans: scarab (beetle) [allow clarification on "beetle" if given before that word in the clue]

5. This term can refer to a rule of chemical bonding which says that atoms prefer to have eight-electrons in their valence shell. What term can also refer to a musical group containing eight people?

Ans: Octet (rule)

6. This five-letter word with multiple meanings can be an intransitive verb that means to adhere, or it can be a transitive verb that means to poke. As a noun, it can refer to a small branch of a tree. What word is also used by medical professionals as a slang way of referring to attaching an IV?

Ans: stick

7. The appropriately-named character Squeak is a kind of spy for the evil master-at-arms Claggart in this novella, which was written in 1892 but not published until 1924 when the manuscript was found in a breadbox in the author's family estate. What is this Herman Melville work, one of American literature's strongest examinations of the rights of the individual versus the needs of society?

Ans: *Billy Budd*

8. This quotation, which sounds surprisingly modern, was actually allegedly uttered in 420 BCE. That "Children today are tyrants. they contradict their parents, gobble their food, and tyrannize their teachers" was uttered by what Greek philosopher and teacher of Plato?

Ans: Socrates



9. Somewhat ironically, Hawaii has three interstate highways, while this much larger state has none. This state has issued only twelve numbers to highways because it prefers names. What state is home to the Seward Highway, the Richardson Highway, and, of course, the Dalton Highway, which is an ice road for most of the year?

Ans: Alaska

10. This animal is "avem" in Latin and "vogel" in German. What animal might have been described by Emily Dickinson as "the thing with feathers"?

Ans: bird(s)

11. This European country's Rhone Glacier is one of the most rapidly receding in the world. What country is seeing the decline of all its alpine glaciers, including those like the Rhone, which provide water for Lake Geneva?

Ans: Switzerland

12. Identify the year in which all the following events happened: President Carter's approval rating plummeted after an OPEC increase in the price of oil led to skyrocketing gas prices; Three Mile Island suffered a nearly disastrous nuclear accident; and American hostages were seized at the embassy in Tehran?

Ans: 1979

13. Michael Enzi of Wyoming is the chairman, and, even though he is an independent, Bernie Sanders is ranking member of what extremely important Senate committee that oversees bills dealing with expenditures and taxes and which also includes Ohioan Rob Portman?

Ans: (Senate Committee on the) Budget

14. This mathematical expression is equal to 87. What was this expression, used by Abraham Lincoln to open the *Gettysburg Address*?

Ans: Four score and seven

15. An elongated face with protruding ears and poor muscle tone are some of the recognizable characteristics of this genetic disorder that occurs on the FMR1 gene on the X chromosome. It results in mild mental disability and often is included in the autism spectrum. What adjective is used to describe the X chromosome when this condition occurs?

Ans: fragile (x syndrome)

16. What is the largest two-digit prime number?

Ans: 97

17. This city in Castile and Leon, Spain, is the home of what was once Europe's most important university, which was founded there in 1218. Still an important university center is what city, which is now a World Heritage Site and, in 1812, was an important victory for the Anglo-Portuguese forces that defeated the French there under the Duke of Wellington during the Napoleonic Wars?

Ans: Salamanca

18. Of the 12 sons of Jacob described in the book of *Genesis*, four were not the sons of either Leah or Rachel; rather, they were the sons of concubines. Although not especially famous, two of them had simple, three-letter names. Name any ONE of these four men.

Ans: ANY ONE: Dan, Naphtali, Gad, or Asher

19. Considered one of the greatest large-scale modern sculptures is a work by Robert Glen that shows eight of these animals splashing through a fountain in Las Colinas, Texas. What are these animals, that share their name with a very popular Ford pony car first introduced in 1964?

Ans: Mustang(s) [accept "horses" if given before the car clue has been read]

20. For her writings which were described as a "monument to the suffering and courage of our times," what Ukrainian born Belorussian woman, whose best known work is *Voices from Chernobyl*, won the 2015 Nobel Prize in Literature?

Ans: (Svetlana) Alexeivich