

## Varsity Practice Round 7

### American Literature:

Team A: What man won the 1920 Pulitzer Prize for Drama for *Beyond the Horizon*?

Eugene O'Neill

Team B: What man won the 1948 Pulitzer Prize for Drama for *A Streetcar Named Desire*?

Tennessee Williams

Toss-Up: What man won the 1949 Pulitzer Prize for Drama for *Death of a Salesman*?

Arthur Miller

**Mathematics: 30 seconds - Multiply the following pairs of binomials.**

Team B: six x minus one, x minus three  $\{(6x - 1), (x - 3)\}$

Six x squared minus nineteen x plus three  $(6x^2 - 19x + 3)$

Team A: eight x minus fifteen, x minus one  $\{(8x - 15), (x - 1)\}$

Eight x squared minus twenty-three x plus fifteen  $(8x^2 - 23x + 15)$

Toss-Up: five x minus one, two x plus three  $\{(5x - 1), (2x + 3)\}$

Ten x squared plus thirteen x minus three  $(10x^2 + 13x - 3)$

**World History:** Questions in this category will concern the legend of Henry Stanley and his fabled rescue mission.

Team A: Stanley was sent by the United States deep into tropical Africa to search for what British missionary and doctor in 1871?

David Livingstone [pronounced "Livingston"]

Team B: What famous four-word phrase was uttered by Stanley upon meeting the man he believed to be David Livingstone?

"Doctor Livingstone, I presume?"

Toss-Up: Livingstone's mission to Africa was a part of what broader, phenomenal "race" of European power states to survey and eventually colonize the continent?

"Scramble for Africa"

**Fine Arts:**

Team B: What instrument was jazz musician Benny Goodman known for playing?

Clarinet

Team A: What instrument was jazz musician John Coltrane known for playing?

Saxophone

Toss-Up: What instrument was jazz musician "Dizzy" Gillespie known for playing?

Trumpet

## Life Science:

Team A: What autoimmune condition occurs when conduction signals between neurons is impaired because of degradation of their myelin sheaths? Talk show host Montel Williams and actress Teri Garr both suffer from this disorder which leaves plaques on the brain.

### Multiple Sclerosis

Team B: What disorder comes in limb onset and bulbar forms and is caused by the degeneration of motor neurons eventually leading to muscle atrophy? Former football player Steve Gleason and physicist Stephen Hawking suffer from this disorder.

### Amyotrophic Lateral Sclerosis or Lou Gehrig's Disease

Toss-Up: Multiple sclerosis is believed to be associated with what virus that also is the most-common cause of mononucleosis and is abbreviated EBV?

### Epstein-Barr Virus

## World Literature:

Team B: What title character bores of her life with Charles and later has affairs with Leon and Rodolphe in a novel by Gustave Flaubert?

### Madame Bovary

Team A: Subtitled "A Novel without a Hero" and titled for a line in "The Pilgrim's Progress", what novel contrasts the rich Amelia Sedley with Becky Sharp and was written by William Makepeace Thackeray?

### Vanity Fair

Toss-Up: The magical title character is blown by the east wind to Number 17 Cherry Tree Lane, London where she becomes a nanny to the Banks children in what series of works by P.L. Travers?

### Mary Poppins

**Government:**

Team A: What Midwestern state is represented in the Senate by former SNL cast member Al Franken?

Minnesota

Team B: What New England state is represented in the Senate by Elizabeth Warren?

Massachusetts

Toss-Up: The Majority Leader of the Senate, Mitch McConnell, represents what state?

Kentucky

**Physical Science:**

Team B: Joseph Priestley is the scientist given credit for being the first to discover what elemental gas, needed by organisms to undergo respiration?

Oxygen

Team A: Humphrey Davy is the scientist given credit for being the first to discover what other elemental gas, which can combine with oxygen to produce water?

Hydrogen

Toss-Up: Hydrogen and oxygen are among seven elements whose elemental forms consist of diatomic molecules. This means that how many atoms are contained in one molecule of each of these seven elements?

Two

**Geography:**

Team A: What city is served by Heathrow Airport?

London

Team B: What city is served by Charles de Gaulle Airport?

Paris

Toss-Up: What city is served by Fiumicino - Leonardo da Vinci Airport?

Rome

**American History: Questions will deal with the Panic of 1837.**

Team B: The Panic of 1837 began when a New York-based company went bankrupt, causing a negative ripple effect in the economy. This occurred on March 17, 1837, two weeks after what man finished his second term as president?

Andrew Jackson

Team A: The Panic of 1837 affected the presidency of this man, who did not win a second term as president, in part, because of the economic downfall. Name this man, who lost re-election in 1840 to William Henry Harrison?

Martin Van Buren

Toss-Up: The bankrupt company that set off the Panic of 1837 lost its money in the cotton market that was based in what major southern port city?

New Orleans

## Alphabet Round - Letter B

1. Ethnic group found predominantly in North Africa, especially Morocco and Algeria.
2. Unit of sound intensity; it is used measured in tenths, using the prefix "deci."
3. Fans of pop star Justin Bieber are known by this name.
4. In mathematics, a system of counting using only the digits 0 and 1.
5. Group of islands, belonging to Spain, that are located in the Mediterranean Sea to the southeast of mainland Spain.
6. TWO-WORD ANSWER - Marine mammal which is largest animal to have ever lived on earth.
7. Irish chemist of the 17<sup>th</sup> century who developed a namesake gas law which stated that the pressure and volume of a gas are inversely proportional to each other at constant temperature.
8. The headquarters of the European Union is located in this Belgian city.
9. Rainbow bridge in Norse mythology that is guarded by Heimdall.
10. Man who succeeded Earl Warren as Chief Justice of the U.S. Supreme Court.
11. Term in computer lingo for an online diary compiling the thoughts of a person on any and all topics.
12. French inventor and aviator who was the first person to fly across the English Channel in an aircraft that was heavier than air, in 1909.
13. A system of raised dots developed by the namesake Frenchman who wanted people with vision problems to be able to read.
14. MULTI-WORD ANSWER - Group of people who help to oversee a company; the CEO of the company reports to this body.
15. TWO-WORD ANSWER - Former name of the Central American nation known as Belize.
16. TWO-WORD ANSWER- Site of two battles in the early part of the Civil War; in the South, the battles were known by name Manassas.
17. University located in Waco, Texas, which received increased scrutiny of a lack of oversight in the athletic department when alleged sexual assaults were not investigated thoroughly.
18. Novel by Roald Dahl which was made into a 2016 movie that did not fare well at the domestic box office; it involves the title character who befriends an orphan girl.
19. TWO-WORD ANSWER - Annual running race which was the site of a bombing attack in 2013 by the Tsarnaev brothers.
20. German scientist who won the 1954 Nobel Prize in Physics for his work in quantum mechanics; his name is used with Fritz Haber to describe a cycle to calculate lattice energy.

## Alphabet Round - Letter B Answers

1. Berber(s)
2. Bel
3. Belieber(s)
4. Binary
5. Balearic
6. Blue whale (TWO-WORD ANSWER)
7. (Robert) Boyle
8. Brussels
9. Bifrost
10. (Warren) Burger
11. Blog
12. (Louis) Bleriot
13. Braille
14. Board of Directors *OR* Board of Trustees (MULTI-WORD ANSWER)
15. British Honduras (TWO-WORD ANSWER)
16. Bull Run (TWO-WORD ANSWER)
17. Baylor (University)
18. *(The) BFG*
19. Boston Marathon (TWO-WORD ANSWER)
20. (Max) Born

## Final Round

1. According to the *Book of Genesis*, what figure died at the age of 969 years?

Methusaleh

2. What is the deepest lake in the United States?

Crater Lake

3. What English monarch had the epithet, "the Lionhearted"?

Richard I (prompt on "Richard" alone)

4. What percent of 20 equals 8?

40%

5. What athlete has the real first name "Eldrick"?

Tiger Woods (prompt on "Tiger" alone)

6. The flags of both Switzerland and Japan both contain what two colors?

Red and White (either order)

7. What company that uses a flattened "O" as their logo is most-notable for their line of sunglasses?

Oakley

8. For what does the computer acronym HTTP stand?

Hypertext Transfer Protocol

9. What name is given to the phase change by which a solid goes directly to the gas phase without ever becoming a liquid first?

Sublimation



10. What American writer featured Harry Angstrom in novels like *Rabbit at Rest* and *Rabbit is Rich*?

John Updike

11. How many of Henry VIII's wives were beheaded?

Two

12. In 1814, what future President defeated the Creek Indians at Horseshoe Bend?

Andrew Jackson

13. What man that lost most of his right arm at the Battle of Shiloh was the first white man to visit the Grand Canyon?

John Wesley Powell

14. What holiday falls exact nine days after the Jewish New Year?

Yom Kippur

15. How many vowels appear on the bottom row of a standard keyboard?

Zero or None

16. Originally called a "Louissette", what execution device was used for beheadings throughout history, especially during the French Revolution?

Guillotine

17. What anthropologist and student of Franz Boas wrote *Coming of Age in Samoa*?

Margaret Mead

18. What Chief Justice presided over the *McCulloch v. Maryland* decision in 1819?

John Marshall

19. What location named for the grandson of Dwight D. Eisenhower is located in Maryland and often used as a Presidential retreat?

Camp David

20. What hydrocarbon with formula  $C_4H_{10}$  is most-commonly used as lighter fluid due to its flammability?

Butane