

AMERICAN LITERATURE: Given a date and a title, identify the author who won the National Book Award for that work in that year.

Team A: 1953, *Invisible Man*

Ans: (Ralph) Ellison

Team B: 1983, *The Color Purple*

Ans: (Alice) Walker

Toss Up: 1974, *Gravity's Rainbow*

Ans: (Thomas) Pynchon

MATH: 60 SECONDS

Team B: What is the surface area in square centimeters of a triangular prism with a base of 8 cm, sides of 5 cm, an altitude of 3 cm and a height of 2 cm?

Ans: 60 (cm<sup>2</sup>)

Team A: What is the surface area in square centimeters of a triangular prism with a base of 10 cm, sides of 6 cm, an altitude of 8 cm and a height of 4 centimeters?

Ans: 168 (cm<sup>2</sup>)

Toss Up: What is the surface area in square centimeters of a triangular prism with a base of 12 cm, sides of 8 cm, an altitude of 9 cm and a height of 6 cm?

Ans: 276 (cm<sup>2</sup>)

## Varsity Practice 7

WORLD HISTORY: These questions focus on the early history of Southeast Asia.

Team A: During the ninth century A. D., a kingdom called Angkor emerged to dominate the region of what present-day country?

Ans: Cambodia

Team B: One ruler, Jayavarman [jay a VARR man], gave the kingdom of Angkor what name, a 5-letter word that is also the name of the language spoken in Cambodia?

Ans: Khmer (Empire) [Do NOT accept Khmer Rouge]

Toss Up: The Khmer Empire fell into a rapid decline after 1432, when what northern neighbors invaded and destroyed the capital city?

Ans: (the) Thai(s) [Allow to clarify if they answer "Siamese."]

## FINE ARTS

Team B: What French military engineer was entrusted with designing the capital city of Washington, D. C.?

Ans: (Pierre Charles) L'Enfant

Team A: What Irish architect designed the plans for the White House?

Ans: (James) Hoban

Toss Up: What English immigrant, often regarded as America's first professionally-trained architect, added the Oval Office to the original design of the White House and re-designed the Capital after it was burned in 1814?

Ans: (Benjamin) Latrobe

## Varsity Practice 7

### LIFE SCIENCE

Team A: What structure within the brain is a major integrating center, the main input center for sensory information going to the cerebrum, and the main output center for information leaving the cerebrum?

Ans: thalamus

Team B: What structure within the brain weighs only a few ounces but is one of the most important parts because it links the central nervous system to the endocrine system via the pituitary gland?

Ans: hypothalamus

Toss Up: What small endocrine gland, which is sometimes called "the third eye," produces melatonin and regulates the sleep/wake cycle?

Ans: pineal (gland) Also accept epiphysis

NOTE TO READER: ASK FOR SCORE CHECK

ENGLISH/WORLD LITERATURE: Identify the following characters whose lives interact with the protagonist, Jean Valjean, in *Les Misérables*:

Team B: This man is a police inspector who enforces the harsh codes of 19<sup>th</sup> century France. He resents Valjean's prosperity and repeatedly attempts to arrest him. At the barricades as the revolution begins, Valjean saves this man's life. Later, he arrests Valjean but sets him free. He then drowns himself. Name him.

Ans: Javert

Team A: This girl spends her childhood as a servant to the abusive Thenardiers, but later becomes Valjean's adopted daughter. She is loved by and eventually marries the revolutionary Marius Pontmercy. Separated from Valjean, she is reconciled with him at his death. Name her.

Ans: Cosette

Toss Up: This woman is Cosette's mother. As a young, naïve girl, she became pregnant and was abandoned by her lover. To support herself and her daughter, she must work for the cruel Thenardiers, who run an inn. She dies from shock when Javert arrests Valjean. Name her.

Ans: Fantine

## Varsity Practice 7

### AMERICAN GOVERNMENT:

Team A: What small state becomes important every four years because it holds the first presidential primary election?

Ans: New Hampshire

Team B: What state becomes important every four years because its presidential caucus is the second opportunity for candidates to gain convention delegates?

Ans: Iowa

Toss Up: In 2008, the first was on February 8. It used to come in March, but lately it has been happening earlier and earlier. What adjective is applied to a Tuesday when a large number of states simultaneously hold their primary elections?

Ans: Super (Tuesday)

### PHYSICAL SCIENCE

Team B: What type of zone occurs where two tectonic plates meet and move toward each other, with one sliding underneath the other and moving down into the mantle?

Ans: subduction (zones)

Team A: What term refers to the action that occurs at mid-ocean ridges where new oceanic crust is formed through volcanic activity and then gradually moves away from the ridge?

Ans: (seafloor) spreading

Toss Up: What adjective is applied to plate boundaries when two plates slide apart from each other, usually as part of seafloor spreading?

Ans: divergent (also accept diverging)

## Varsity Practice 7

### WORLD GEOGRAPHY

Team A: What largest Japanese island contains the capital of Tokyo?

Ans: Honshu

Team B: What other island, that also begins with "H," lies to the north of Honshu?

Ans: Hokkaido

Toss Up: What islands, originally claimed by Japan but seized by the Soviet Union after World War II and still under Russian control, run from Hokkaido north to the Kamchatka Peninsula?

Ans: (The) Kuril (Islands)

AMERICAN HISTORY: Identify the following Confederate generals who are not named Lee or Jackson.

Team B: His given name was James, but his friends called him "Pete." What man, whom Robert E. Lee called his "Old War Horse," correctly realized that Lee should not take the offensive on the second and third days at Gettysburg, was the master of strategic retreat, and, living until 1904, was the longest-living member of the Confederate high command?

Ans: (James) Longstreet

Team A: He was the most flamboyant member of Lee's staff. A brilliant cavalry officer, he led raids and scouting missions around the Union troops to provide both a strategic advantage and a morale booster for the Confederates. However, what man, who was killed at Yellow Tavern in 1864, was absent in the early fighting at Gettysburg and left Lee without sufficient knowledge of Union strength and positions?

Ans: (J. E. B.) Stuart

Toss Up: At the beginning of the Civil War, this man was considered second only to Lee as the Confederacy's finest general. As secretary of war for the Republic of Texas, he led the Texas Rifles in the Mexican War. He then led troops against the Mormons in 1857. In 1862, however, who lost Fort Donelson and, in his attempt to recapture Tennessee, bled to death from a relatively insignificant leg wound while directing his men to an eventual defeat at Shiloh?

Ans: (Albert Sidney) Johnston

Varsity Practice 7

**ALPHABET ROUND "E"**

1. Second book of the Bible
2. Along with *logos* and *pathos*, the third of Aristotle's three modes of persuasion
3. Swiss mathematician of the 18<sup>th</sup> century; introduced the concept of the function *f* to mathematics
4. MULTI-WORD ANSWER, LATIN: motto of the United States seen in the mouth of the eagle on the Great Seal of U. S.
5. Condition caused by a fungus that affects rye and other grains; possible contributing cause of the Salem Witch Trials
6. Official term for a highly systematic form of non-standard African-American English
7. An advanced electro-mechanical cipher machine developed in Germany after World War 1 and used extensively in World War 2
8. In hockey, a player whose main purpose is to intimidate opposing players and retaliate for dirty play against teammates
9. Ancient Greek temple on the north side of the Acropolis
10. In science a state of rest or inaction caused by the equal action of opposing forces
11. TWO-WORD ANSWER: In Greek mythology, the final resting place of the souls of heroes
12. Classic American rock band led by Don Henley and Glen Frey
13. TWO-WORD ANSWER: Western African nation bordered by Cameroon to the north and Gabon to the south
14. Style of furniture and interior decoration that started in Paris after the French Revolution and spread throughout Europe
15. MULTI-WORD ANSWER: John Steinbeck novel centered on the members of the Trask family
16. Innocent wife of Iago in *Othello*
17. ACRONYM OR MULTI-WORD ANSWER: proposed constitutional change that died in 1982, three states short of ratification
18. Supreme commander of Allied forces during Operation Overlord
19. A musical composition written solely to improve technique; often performed for artistic interest.
20. Capital of Alberta

Varsity Practice 7

**ANSWERS TO ALPHABET ROUND "E"**

1. Exodus
2. *ethos*
3. (Frederick) Euler
4. *e pluribus unum*
5. ergot(ism)
6. Ebonics
7. Enigma (Machine)
8. Enforcer
9. Erechtheion
10. equilibrium
11. Elysian Fields
12. (The) Eagles
13. Equatorial Guinea
14. Empire (Style)
15. *East of Eden*
16. Emilia
17. ERA OR Equal Rights Amendment
18. (Dwight D.) Eisenhower
19. etude
20. Edmonton

Varsity Practice 7

**LIGHTNING ROUND**

1. In 2010, celebrity Lindsay Lohan sued what online brokerage for using a baby named "Lindsay" in one of their commercials?

Ans: E-Trade

2. What meter is called "heroic meter" because it was used in ancient Greek epics?

Ans: dactylic hexameter (Must be complete without prompting)

3. What American was the foremost figure in the movement of abstract impressionist painting?

Ans: (Jackson) Pollock

4. What novel by Sylvia Plath is an autobiographical account of her struggle with depression?

Ans: *The Bell Jar*

5. In 1521, what man became the first European to cross the Pacific Ocean?

Ans: (Ferdinand) Magellan

6. What is the cube root of 729?

Ans: 9

7. Akron native Judith Resnick was one of seven astronauts killed in what 1986 disaster?

Ans: *Challenger* (Explosion)

8. What cycle, named for a German-born British biochemist, is the major metabolic process that occurs in all living organisms?

Ans: Krebs (Cycle)

9. In Egyptian mythology, what god, whose origin is traced to Thebes, is the "Lord of Creation" and father of the other gods?

Ans: Amen OR Amon

10. In the Bible, what man was the eleventh son of Jacob and the object of his brothers' envy?

Ans. Joseph



Varsity Practice 7

11. What 1886 novel by Thomas Hardy begins with a drunken man named Michael Henchard's selling his wife and daughter to a sailor at an auction?

Ans: *(The) Mayor of Casterbridge*

12. In what kind of chemical reaction does a single compound break down into two or more elements or compounds?

Ans: decomposition

13. What musical features the songs "Oh, What a Beautiful Morning" and "Surrey with the Fringe on Top"?

Ans: *Oklahoma!*

14. What term refers to a hit in baseball that occurs when a batted ball lands in fair territory but bounces into the stands where it cannot be played?

Ans: ground rule double (prompt on partial answer)

15. What state's nickname is "The Gopher State"?

Ans: Minnesota

16. How many total justices sit on the Ohio Supreme Court?

Ans: 7

17. What law of economics can be simply stated as "Bad money drives out good"?

Ans: Gresham's (Law)

18. What novelist who won the Nobel Prize in Literature in 1988 was the first Egyptian to do so?

Ans: (Naguib) Mahfouz

19. What primitive North American marsupial has a prehensile tail?

Ans: (o)possum

20. What popular Food Network program follows Baltimore baker Duff Goldman and his staff as they construct outlandish confections?

Ans: *Ace of Cakes*

Varsity Practice 7

21. What type of federal courts were established in 1891 in order to provide a system for hearing cases after they had been decided in federal district court and before they were sent to the Supreme Court?

Ans: (courts of) Appeals

22. What four-letter acronym is used in computer jargon to state the fact that invalid input will always yield invalid output?

Ans: GIGO (Also accept "Garbage in, garbage out")

23. In 2010, what controversial American politician followed up her autobiography with her second book entitled *America By Heart*?

Ans: (Sarah) Palin

24. On December 20, 1860, what U. S state became the first to secede from the Union?

Ans: South Carolina

25. The HBO program *Entourage* was developed by and is based on the experiences of what Boston-born movie star who once had a platinum-selling record as Marky Mark?

Ans: (Mark) Wahlberg

26. In medicine and psychology, what two-word term applies to sudden incidents of anxiety characterized by increased heart rate, trembling, and adrenaline rushes?

Ans: panic attack(s) (Must be complete without prompting.)

27. The adjective "ferruginous" refers to anything that resembles the color of what iron oxide?

Ans: rust

28. What is the English translation of the Latin word "Imperium" ?

Ans: government

29. Name either one of the two types of rain forests.

Ans: EITHER tropical OR temperate

30. What are the only two months of the year when Easter can occur?

Ans: (Both required) March and April