

11/24  
(Except Alpha)  
Alpha 12/1/15

AMERICAN LITERATURE: Identify the following writers who are generally regarded as naturalists.

Team A: This man, who died young, wrote of the conflict between California farmers and the railroads in his most famous work, *The Octopus*. Name him.

Ans: (Frank) Norris

Team B: While an editor at Doubleday, Frank Norris helped with the publication of the first novel of another famous naturalist. Identify the man whose first work was the novel, *Sister Carrie*.

Ans: (Theodore) Dreiser

Toss Up: This author was one of several to emerge in the Bay Area of California at the end of the nineteenth century, but his most famous works are set at sea or in the Yukon Gold Rush. Name this author of *The Call of the Wild* and "To Build a Fire."

Ans: (Jack) London

MATH: 30 SECONDS: Find the next term in the given sequence.

Team B: 1, 4, 9, 16, 25 [Explanation: pattern is  $1^2$   $2^2$   $3^2$  etc.]

Ans: 36

Team A: 2, 5, 10, 17, 26 [Explanation: pattern is  $1^2 + 1$ ,  $2^2 + 1$ ,  $3^2 + 1$ , etc.]

Ans: 37

Toss Up: 1, 4, 27, 256 [Explanation: pattern is  $1^1$ ,  $2^2$ ,  $3^3$ ,  $4^4$  etc.]

Ans: 3,125

### Varsity Practice 3

#### WORLD HISTORY: Identify the following Chinese dynasties.

Team A: This dynasty replaced the Qin [Kin] dynasty around 207 B.C.E. Its rule lasted into the second century A. D. Its most notable leader, Wudi, conquered territory to the north of China and established the trade route that became the Silk Road. Name this dynasty.

Ans: Han

Team B: This later dynasty began with the overthrow of the Mongol Empire around 1368 and lasted until 1644. It strengthened the Great Wall, built the Grand Canal, extended Chinese rule into Mongolia, and established a national school system. Name it.

Ans: Ming

Toss Up: The Ming dynasty weakened from within and was overthrown by the Manchu, who established what dynasty, which lasted until 1911?

Ans: Qing

#### FINE ARTS: Identify the following works by George Frederic Handel

Team B: To most Americans, Handel's most famous work is what oratorio, which is frequently performed at both Christmas and Easter, and is taken from the King James Bible?

Ans: *(The) Messiah*

Team A: This work was allegedly first played on a barge trip on the Thames in 1717, although no one recorded the exact pieces played at the time. Today, nineteen separate but related works comprise what suite named for the Thames?

Ans: *(The) (Royal) Water Music (Suite)*

Toss Up: Handel wrote this piece to celebrate the end of the War of Austrian Succession. At the insistence of English King George II, he included no strings but rather 9 trumpets, 9 horns, 24 oboes, 12 bassoons, 3 pair of kettledrums, and an unspecified number of side drums. Handel called his work *A Grand Overture of Warlike Instruments*, but we know it by what name?

Ans: *(Music for the) Royal Fireworks*

## Varsity Practice 3

### LIFE SCIENCE:

Team A: In contrast to DNA, an RNA molecule does not contain which nitrogenous base?

Ans: thymine

Team B: Instead of thymine, RNA uses adenine, guanine, cytosine, and what other base?

Ans: uracil

Toss Up: RNA is composed of what sugar?

Ans: ribose

NOTE: ASK FOR A SCORE CHECK

### ENGLISH/WORLD LITERATURE

Team B: *Beowulf* begins with a feast being given by what king of the Danes?

Ans: Hrothgar [pronounced ROTH gar]

Team A: The hero of the tale, Beowulf, is the nephew of Hygelac, who is the king of what Swedish people?

Ans: (The) Geats

Toss Up: More than a thousand years after it first appeared in written form, *Beowulf* became a bestseller when what Irish poet wrote a facing-page translation of the work?

Ans: (Seamus) Heaney [pronounced HANE ee]

## Varsity Practice 3

### AMERICAN GOVERNMENT

Team A: Several key leaders of the American Revolutionary era did not attend the Constitutional Convention. What Virginian, one of the most important founding fathers, did not attend because he was representing the U. S. in France?

Ans: (Thomas) Jefferson

Team B: At the time of the Convention, the governor of Virginia was what man, who refused to sign the document, campaigned against it, but later joined Washington's cabinet as the first U. S. Attorney General?

Ans: (Edmund) Randolph

Toss Up: What was the only state to send no delegates to the Constitutional Convention?

Ans: Rhode Island

### PHYSICAL SCIENCE: Identify the following about light rays.

Team B: What term refers to the angle at which light strikes a surface as measured from a line perpendicular to that surface?

Ans: (angle of) incidence

Team A: When light is reflected from a surface, the angle of incidence must equal what other angle?

| Ans: (angle of) reflection

Toss Up: What term applies to the process that occurs when light bends as it enters one material from another?

Ans: refraction (Do NOT accept reflection)

## Varsity Practice 3

### WORLD GEOGRAPHY

Team A: In the sixteenth century, what Flemish cartographer created an important map that preserved shape and direction to allow sailors for the first time to use a map to plot direction?

Ans: (Gerardus) Mercator

Team B: The problem with the Mercator projection is that it badly distorts what quality, especially toward the poles, so that Eurasia and North America are disproportionately large, while South American and Africa are too small?

Ans: (land) area

Toss Up: Besides creating his projection map, Mercator also published the first bound collection of maps to be given what name?

Ans: (an) atlas

### AMERICAN HISTORY

Team B: On the continent it was called the War of the Grand Alliance. In the colonies it was partially a religious war between Catholic New France and Protestant New England. What war, which lasted from 1689 to 1697 and led to a large number of massacres in New England, is named for the reigning English monarch of the time?

Ans: King William's (War)

Team A: In Europe it was known as the War of the Spanish Succession. In the colonies, it was a resumption of hostilities between English and French settlers, with the added wrinkle of additional conflict between England and the Spanish in the South. By what name was this war, which ended with the Treaty of Utrecht in 1713, known in America?

Ans: Queen Anne's (War)

Toss Up: After the death of Emperor Charles VI, the War of the Austrian Succession broke out in Europe in 1744. In the colonies, it saw yet more massacres, as England and France were again on opposite sides. By what name was this war, which ended with the treaty of Aix-la-Chapelle, known in America?

Ans: King George's (War)

**CHECK SCORE AND SUBSTITUTIONS**

**ALPHABET ROUND "Z"**

1. According to Christian tradition, this man was the father of John the Baptist; struck dumb when he doubted his wife's pregnancy
2. A Chinese and Japanese school of Buddhism that claims that enlightenment can be attained through meditation, self-contemplation, and intuition rather than through scripture
3. The spirit of the times. A German word (especially when capitalized) for the taste, outlook, or general trend of thought, which is characteristic of the cultural productions of a period or generation
4. The diploid product of the union of haploid gametes in conception; a fertilized egg.
5. Sixth letter of the Greek alphabet
6. HYPHENATED ANSWER: A point at which a graph intersects the z-axis.
7. MULTI-WORD ANSWER: Novel written in 1946 by Nikos Kazantzakis about a man leading a Dionysian lifestyle
8. Imaginary belt or zone of 12 constellations
9. Largest city in Switzerland; important world financial center
10. A musical instrument, consisting of a flat sounding box with numerous strings stretched over it, that is placed on a horizontal surface and played with a plectrum and the fingertips.
11. African country formerly known as Northern Rhodesia
12. Zoroastrianism is founded on the teachings of this 6<sup>th</sup> century B. C. E. Persian sage, whose Greek name is Zoroaster
13. U. S. National Park located in SW Utah
14. Leading French author of the naturalist movement; famous for his letter *J'Accuse*
15. Popular fictional hero created in 1919 by Johnston McCulley; played in movies by George Hamilton and Antonio Banderas
16. Mexican leader, helped lead revolution of 1910
17. Former capital of Malawi
18. MULTI-WORD ANSWER: Country and pop band that won Grammy for Best New Artist in 2010
19. Sickly wife of Ethan Frome in novel by Edith Wharton
20. Married name of famous athlete "Babe" who won titles in golf, basketball, and track and field

ANSWERS TO ALPHABET ROUND "Z"

1. Zecharius or Zacharius or may accept Anglicized Zachary
2. Zen
3. Zeitgeist
4. zygote
5. zeta
6. z-intercept
7. *Zorba the Greek* (Must be complete and exact)
8. zodiac
9. Zurich
10. zither
11. Zambia
12. Zarathustra
13. Zion (National Park)
14. (Emile) Zola
15. Zorro
16. (Emilio) Zapata
17. Zomba
18. Zac Brown Band (Must be complete)
19. Zenobia ALSO ACCEPT Zeena
20. Zaharias

**LIGHTNING ROUND**

1. What Minnesota-born author uses his own full name as the name of his character in *the Things They Carried*?

Ans: (Tim) O'Brien

2. What composer adapted part of Bach's *Well-Tempered Clavier* into the music for his *Ave Maria*?

Ans: (Charles) Gounod

3. Whose principle says that the volume of an object is equal to the volume of the water it displaces?

Ans: Archimedes'

4. What 1922 Herman Hesse novel follows the title character, a Brahmin who shares his name with the secular Buddha?

Ans: *Siddhartha*

5. What is the least common multiple of 8 and 12?

Ans: 24

6. What river was called "The River Jordan" by escaping slaves because crossing it put them into free territory?

Ans: (the) Ohio (River)

7. What muckraking author exposed poverty in New York City in his book *How the Other Half Lives*?

Ans: (Jacob) Ries

8. What NFL quarterback has made his decision to retire a kind of perennial joke as he retired from the Packers, then the Jets, and now plays for the Vikings?

Ans: (Brett) Favre

9. Which apostle, whose name is also "Didymus" or "Twin," doubted Jesus' resurrection until he could put his finger into the nail holes in Jesus' hands?

Ans: Thomas

10. One of the treasures of the Cleveland Art Museum is *Stag at Sharkey's* by what member of the Ashcan School of painting?

Ans: (George) Bellows



### Varsity Practice 3

11. What singer who has led opposition to the military's "Don't ask, don't tell" policy, is a natural brunette who dyes her hair blonde to avoid being mistaken for Amy Winehouse?

Ans: Lady Gaga

12. What is the most abundant protein found in vertebrates?

Ans: collagen

13. What loosely-organized political organization won several important 2010 primary nominations, often with the aid and support of Sarah Palin?

Ans: (the) Tea Party (Movement)

14. In 1848 an assembly met in what German city to discuss German unification, a process which broke down because of infighting?

Ans: Frankfurt

15. What language group, which includes Breton, Welsh, and Gaelic, is called a "relic" group because the languages that comprise it are spoken only in so-called refuge areas?

Ans: Celtic

16. Of the former Soviet Baltic Republics that are now independent nations, which is the most populous?

Ans: Lithuania

17. What Bravo cooking program won the Emmy for "Best Reality Series" in 2010?

Ans: *Top Chef*

18. In Greek mythology, who is the famous sister of Castor and Pollex?

Ans: Helen (of Troy)

19. In what Shaw drama does the title character serve in the Salvation Army?

Ans: *Major Barbara*

20. NASA's space center in Cleveland is named for what Ohio-born former astronaut?

Ans: (John) Glenn

### Varsity Practice 3

21. In an alphabetical listing of Ohio's counties, which county, with its seat at Upper Sandusky, would come last?

Ans: Wyandot

22. What two-word term, which describes the only ammunition effective against werewolves, is also used as an idiom to describe any straightforward solution to a problem?

Ans: silver bullet

23. In psychology, the adjectives "disorganized," "catatonic," and "paranoid" are often used to describe what condition that is characterized by delusions and faulty perceptions of the world, such as hearing voices or believing oneself to be some prominent figure?

Ans: schizophrenia

24. In botany, what term beginning with "B" is used to describe a sharp, stiff hair on a plant?

Ans: bristle

25. What term describes a point on the earth's surface that is directly opposite another point, such as the relation of the North Pole to the South Pole?

Ans: antipodal

26. The words *prima colazione* are Italian for what meal?

Ans: breakfast

27. People who use excessive amounts of hand sanitizer might suffer from mysophobia, which is the fear of what?

Ans: germs (also accept dirt)

28. Teenagers are easily embarrassed. Correctly spell embarrass.

Ans: e-m-b-a-r-r-a-s-s

29. Sebastien Pinera, who received quite a bit of coverage on American TV in October, is the president of what South American country?

Ans: Chile

30. What young singer and protégée of Usher won four 2010 American Music Awards, including "Artist of the Year"?

Ans: (Justin) Bieber