
ROUND #1 - TOSS UP QUESTIONS

1. SCIENCE (Physics)

This scientist won the 1921 Nobel Prize in physics for his discovery of the law of the photoelectric effect and "his services to theoretical physics" but not for his most famous equation. Who is this physicist that developed the equation $E = mc^2$?

ANSWER: Albert Einstein

2. LANGUAGE ARTS (World Literature)

One of these mythological creatures, named Polyphemus, imprisoned Odysseus and his men during their voyage back to Greece. According to Hesiod, he and his brothers were strong, stubborn, and foul-tempered. What name is given to this race of primordial giants who were adorned with a single eye in the middle of their foreheads?

ANSWER: cyclops

3. SOCIAL STUDIES (Geography)

Formerly known as Charles Town, this island city was burned to the ground by the Spanish in 1684 but was rebuilt and given its present name shortly thereafter. By the beginning of the 18th century, it has become a pirate haven for such infamous thieves as Blackbeard and Anne Bonny. Now a tourist destination off the coast of Florida, what is this Bahamian national capital?

ANSWER: Nassau

4. MATHEMATICS (Geometry) COMPUTATION

Find the slope of the line that is perpendicular to the line with the following equation.

$$2y + 14x = -5$$

ANSWER: $\frac{1}{7}$

5. FINE ARTS (Music)

Before his death in 1759, this composer had written nearly 50 operas, hundreds of orchestra pieces, and more than 20 oratorios. Born and trained for his profession in Germany, he became a naturalized British subject in 1727 and was buried at Westminster Abbey. Name this musician who is probably best known for his *Messiah*.

ANSWER: George Handel

6. SCIENCE (Biology)

This English physician studied the heart and blood vessels and determined that the heart was a muscle that contracts and pushes blood out. He figured out the workings of the auricles and ventricles and realized that blood circulated. Name this scientist who wrote *On the Motion of the Heart and Blood in Animals*.

ANSWER: William Harvey

ROUND #1 - TOSS UP QUESTIONS

7. SOCIAL STUDIES (World History)

This girl was born in the 15th century and claimed she heard heavenly voices urging her to fight for the king of France. She prophesized that she would save Orleans, be wounded by a shaft, but not die of it, and that the king would be crowned at Reims. Name the girl, known as "The Maid of Orleans," who withstood an Inquisition, only to be burned at the stake.

ANSWER: Joan of Arc

8. MISCELLANEOUS (Family Consumer Science)

This southern dish has grown in popularity since its inception in the New Orleans region of Louisiana. It consists of stock, meat or shellfish, celery, peppers, and onion. Traditionally, it is served over rice and can contain okra or roux. What is this French-interpreted dish that can be described as a spicy stew?

ANSWER: gumbo

9. MATHEMATICS (Algebra) COMPUTATION

What is the sum of the first 80 positive integers?

ANSWER: 3,240

10. LANGUAGE ARTS (Vocabulary)

This word, often confused with a similar sounding word meaning prominent or distinguished, is an adjective that describes something that is about to happen. Beginning with the latter "i," what is this 3-syllable word that is an antonym for eventual?

ANSWER: imminent

11. FINE ARTS (Dance)

This 20th century Soviet-born dancer of ballet and modern dance defected to the West in 1961 despite KGB efforts to prevent him from doing so. He spent much of the 1960s and 1970s dancing with The Royal Ballet in London and much of the 1980s with the Paris Opera Ballet. Who is dancer remembered for being the longtime partner of Margot Fonteyn?

ANSWER: Rudolph Nureyev

12. SCIENCE (Earth Science)

Sometimes referred to as hail but not identical to it, this frozen substance forms fragile, oblong shapes and falls in place of typical snowflakes in wintry mixed precipitation. Less dense than hail and not as hard, what is this fragile form of precipitation that collects on falling snowflakes and will typically fall apart when touched?

ANSWER: graupel

13. LANGUAGE ARTS (Grammar)

If you are quoting a passage from a written work but you wish to omit some of the passage, you should use this punctuation grouping. Composed of three identical marks, what is the term for this series of marks that indicates an omission or suppression of letters or words?

ANSWER: ellipsis

ROUND #1 - TOSS UP QUESTIONS

14. MATHEMATICS (General Mathematics) COMPUTATION

At 10:00, one-third of Brenda's guests departed. About fifteen minutes later, one-half of the remaining guests left. It was nearly 11:30 before the remaining 14 guests left. How many guests in total attended her party?

ANSWER: 42

15. LANGUAGE ARTS (American Literature)

The use of vernacular speech in this 1885 novel revolutionized American fiction, and the relationship between the two main characters was a breakthrough regarding race in literature. The story also inspired the musical *Big River*. What is the title of this legendary Mark Twain novel set in St. Petersburg, Missouri?

ANSWER: *Adventures of Huckleberry Finn*

16. SOCIAL STUDIES (Psychology)

According to Sigmund Freud's psychoanalytic theory of personality, this is the component of one's personality that is responsible for dealing with reality. Of the three components that work together to form the three elements of personality, name the portion that functions in the conscious, preconscious, and unconscious mind to ensure that our uncontrolled impulses can be expressed in a manner acceptable to society.

ANSWER: ego

17. SCIENCE (Chemistry)

This poison can't be found as an element on the periodic table. It is an anion formed by a triple bond between carbon and nitrogen atoms. Its main positive use is in the mining of gold and silver. Name this highly toxic compound that has been used as a suicide agent by such notable figures as Heinrich Himmler and Hermann Göring at the end of World War II.

ANSWER: cyanide

18. LANGUAGE ARTS (Mythology)

This constellation is associated with the story of Phrixus [FRIK-suhs] and his twin sister Helle, who were saved from the jealous wrath of their stepmother by their natural mother, who sent a flying ram with golden wool to rescue them. Located in the northern celestial hemisphere between Pisces to the west and Taurus to the east, what is this constellation representing a ram with golden fleece?

ANSWER: Aries

19. SOCIAL STUDIES (U.S. History)

This charismatic African-American leader chose the name El-Hajj Malik El-Shabazz after becoming a member of the Nation of Islam. He was an outspoken human rights activist and indicted white America for crimes against black Americans. By what name do we better know this man who was born with the last name of Little?

ANSWER: Malcolm X

20. MATHEMATICS (Algebra)

The equation $x = -\frac{b}{2a}$ can be used to find the x-coordinate of this point along a parabola. What is the name given to the lowest point on a parabola that opens upward, or the highest point on a parabola that opens downward?

ANSWER: vertex

21. SOCIAL STUDIES (U.S. History)

Along with Calhoun and Webster, this man made up the group known as the "Great Triumvirate." In the 19th century, he represented Kentucky in both the House and the Senate and was instrumental in the development of the Missouri Compromise. Who was this politician known as "The Great Compromiser"?

ANSWER: Henry Clay

22. SCIENCE (Astronomy)

This meteorological event signifies the beginning of the calendar when days start getting longer and nights begin getting shorter. It occurs in December in the Northern Hemisphere and in June in the Southern Hemisphere. What is the two-word name for this occurrence that happens when the sun is the farthest away from an observer's hemisphere?

ANSWER: winter solstice

23. FINE ARTS (Art)

This art form was practiced by scholars primarily from the Byzantine Empire and Ireland. It enhanced texts with its elaborate designs, beautiful lettering, and miniature paintings of religious subjects. What is this highly colored and detailed decorative art, exemplified by the Book of Hours and the Book of Kells?

ANSWER: illuminated manuscript (accept illumination)

24. LANGUAGE ARTS (British Literature)

The sonnet "On His Blindness" by John Milton is a good example of this sonnet form. Composed of an initial octet with a rhyme scheme of a-b-b-a, a-b-b-a, followed by a sestet with a rhyme scheme of c-d-e, c-d-e, what is this type of sonnet, which preceded the Shakespearean sonnet?

ANSWER: Italian (accept Petrarchan)

25. SOCIAL STUDIES (Government)

This man wrote, "But what is government itself, but the greatest of all reflections on human nature? If men were angels, no government would be needed," as part of the *Federalist Papers*. Who was the future president who wrote this essay about the need for appropriate checks and balances in order to protect the rights of people?

ANSWER: James Madison

26. MATHEMATICS (General Mathematics)

Working outside of ideal, massless strings and cables, when a suspended cable has only to support its own mass, this shape is formed. Though it appears like a parabola, the shape is very different, modeled by hyperbolic [high-per-BOL-ik] cosine function as opposed to a polynomial. Give the name for this minimal surface of which the Gateway Arch is an example.

ANSWER: catenary [KAT-enn-er-ee]

27. LANGUAGE ARTS (Journalism)

In 1963, Katharine Graham took over the reins of this newspaper once owned by her father. Under her leadership, the newspaper published stories by Bob Woodward and Carl Bernstein in the 1970s about the Watergate scandal, which led to President Nixon's resignation. What is this largest daily newspaper from our nation's capital?

ANSWER: Washington Post

ROUND #2 - TOSS UP + BONUS

28. MATHEMATICS (Geometry) COMPUTATION

If the length of the hypotenuse of a 30-60-90-degree triangle is 10 centimeters, what is the perimeter of the triangle?

ANSWER: $15 + 5\sqrt{3}$ centimeters

29. SOCIAL STUDIES (Geography)

This former French colony of West Africa was known by several names such as the French Sudan, Upper Senegal, and the Sudanese Republic. Over 90 percent of people in this nation are Muslim and many are of the nomadic ethnic groups the Tuareg and the Fulani. Name this country where Timbuktu can be found along the Niger [NYE-jar] River.

ANSWER: Mali

30. SCIENCE (Chemistry)

Although Swedish chemist Carl Wilhelm Scheele most likely discovered this element earlier, the Spanish Elhuyar brothers are given credit for its discovery. This metal has both the highest melting point of all the metallic elements. Its chemical symbol is derived from the mineral wolframite, a main source of this metal. What is this element that is used to make the filaments of incandescent light bulbs?

ANSWER: tungsten

BONUS QUESTION # 1. SOCIAL STUDIES (Geography)

Name the Spanish cities that are described by the following clues.

1 . Capital of Catalonia and located on the northeast coast of the Iberian Peninsula on the Mediterranean Sea, this city is home to Camp Nou, the largest stadium in Europe.

ANSWER: Barcelona

2 . Located on the Manzanares River and residence of Juan Carlos I, the King of Spain.

ANSWER: Madrid

3 . This city is famous worldwide for its San Fermin festival, the main attraction of which is the running of the bulls through its streets.

ANSWER: Pamplona

4 . The only river port in Spain, this inland city has achieved particular recognition because its name is part of the title of a famous Rossini opera that features Rosina and Figaro.

ANSWER: Seville

ROUND #2 - TOSS UP + BONUS

BONUS QUESTION # 2. FINE ARTS (Music)

Identify the following musical terms, which all begin with the letter "t."

1 . The rate of speed of a composition or section, as indicated by metronome indications.

ANSWER: tempo

2 . An arching line connecting two successive notes of the same pitch, indicating that the second note should not be played, but should be added to the value of the first.

ANSWER: tie

3 . A musical ornament consisting of the rapid alternation of a given tone with its upper neighbor.

ANSWER: trill

4 . A chord consisting of three tones: a fundamental note, its upper third, and its upper fifth.

ANSWER: triad

BONUS QUESTION # 3. LANGUAGE ARTS (British Literature)

Give the title of the Charles Dickens novel in which each of the following pairs of characters is found.

1 . Artful Dodger and Bill Sikes

ANSWER: *Oliver Twist*

2 . Lucie Manette and Charles Darnay

ANSWER: *A Tale of Two Cities*

3 . Clara Peggotty and Edward Murdstone

ANSWER: *David Copperfield*

4 . Augustus Snodgrass and Nathaniel Winkle

ANSWER: *The Pickwick Papers*

BONUS QUESTION # 4. SCIENCE (Biology)

Cells are the building blocks of the human body. Let's test your knowledge of cells.

1 . What transparent, jelly-like fluid contains the organelles?

ANSWER: cytoplasm

2 . The ER is a continuous network of membranes that make and store many substances. For what do the letters ER stand?

ANSWER: endoplasmic reticulum

3 . What part of the cell generates most of the cell's supply of ATP which is used as a source of chemical energy?

ANSWER: mitochondria

4 . What part of the cell makes lysosomes?

ANSWER: Golgi body (or Golgi apparatus)

ROUND #3 - LIGHTNING ROUNDS

LIGHTNING ROUND QUESTION # 1. LANGUAGE ARTS (World Literature)

War Novels: Name the war that is the setting for each of these novels.

1 . *The Red Badge of Courage*

ANSWER: American Civil War

2 . *The Things They Carried*

ANSWER: Vietnam War

3 . *The Bridges at Toko-Ri*

ANSWER: Korean War

4 . *The Bridge over the River Kwai*

ANSWER: World War II

5 . *Doctor Zhivago*

ANSWER: Russian Civil War (Russian Revolution)

6 . *A Farewell to Arms*

ANSWER: World War I

7 . *The Last of the Mohicans*

ANSWER: French and Indian War (Seven Years' War)

8 . *The Killer Angels*

ANSWER: American Civil War

9 . *War and Peace*

ANSWER: Napoleonic Wars

10 . *Fallen Angels*

ANSWER: Vietnam War

EXTRA

11 . *The Rough Riders*

ANSWER: Spanish American War

12 . *The Naked and the Dead*

ANSWER: World War II

ROUND #3 - LIGHTNING ROUNDS

LIGHTNING ROUND QUESTION # 2. SCIENCE (General Science)

Inventors: Identify the American who invented the following items.

1 . liquid-fueled rocket

ANSWER: Robert Goddard

2 . Kodak camera

ANSWER: George Eastman

3 . railway air brake

ANSWER: George Westinghouse

4 . repeating rifle

ANSWER: Oliver Winchester

5 . fountain pen

ANSWER: Lewis Waterman

6 . vulcanized rubber

ANSWER: Charles Goodyear

7 . steel plow

ANSWER: John Deere

8 . train sleeping car

ANSWER: George Pullman

9 . packaged frozen food

ANSWER: Clarence Birdseye

10 . movable type

ANSWER: Johannes Gutenberg

EXTRA

11 . phonograph

ANSWER: Thomas Edison

12 . cotton gin

ANSWER: Eli Whitney

ROUND #3 - LIGHTNING ROUNDS

LIGHTNING ROUND QUESTION # 3. SOCIAL STUDIES (U.S. History)

Founding Fathers: Identify these Founding Fathers of the United States from the following descriptions.

1 . Delegate to the Continental Congress, fourth governor of Massachusetts, and member of the Sons of Liberty.

ANSWER: Samuel Adams

2 . Seventh governor of Virginia, second Secretary of State, and first U.S. attorney general.

ANSWER: Edmund Jennings Randolph

3 . Fifth Governor of Virginia; his son and great-grandson would become president.

ANSWER: Benjamin Harrison

4 . First governor of Massachusetts and fourth president of the Continental Congress.

ANSWER: John Hancock

5 . U.S. senator from New York credited as the author of the Constitution's preamble.

ANSWER: Gouverneur Morris

6 . Co-writer of the Federalist Papers and first chief justice of the Supreme Court.

ANSWER: John Jay

7 . Senator from Connecticut who helped draft the Declaration of Independence.

ANSWER: Roger Sherman

8 . One of the founders of Vermont and leader of the Green Mountain Boys.

ANSWER: Ethan Allen

9 . First governor of New York, and the fourth vice president of the U.S.

ANSWER: George Clinton

10 . Ninth governor of Massachusetts and the fifth vice president of the U.S.

ANSWER: Elbridge Gerry

EXTRA

11 . First U.S. secretary of war.

ANSWER: Henry Knox

12 . Famous orator and first governor of Virginia.

ANSWER: Patrick Henry

ROUND #4 - TOSS UP QUESTIONS

31. LANGUAGE ARTS (Vocabulary)

What five-syllable verb derived from the Latin word for *head* means to repeat the main points of a discourse in concise form?

ANSWER: recapitulate

32. SCIENCE (Biology)

These enzyme-catalyzed reactions allow organisms to grow and reproduce, maintain their structures, and respond to their environments. What is this ten-letter term that defines the sum total of the chemical reactions that occur in an organism to maintain life?

ANSWER: metabolism

33. SOCIAL STUDIES (Government)

Also known as the Treaty of European Union, this treaty established an economic and political confederation of European nations that collaborated in order to promote cohesion within the continent. What is the name of this treaty, named after the city in The Netherlands where it was signed in 1992?

ANSWER: Maastricht Treaty

34. FINE ARTS (Music)

This Jewish-German composer was extremely popular in England. He composed the *Hebrides Overture* [HEH-brid-ees] in 1832 after his first visit to England and Scotland and premiered it in London that year. He later composed the *Festgesang*, which was adapted to fit the lyrics of the Christmas song "Hark! The Herald Angels Sing." Who was this musician of the early Romantic period who composed the oratorios *Elijah* and *St. Paul*?

ANSWER: Felix Mendelssohn

35. MATHEMATICS (Algebra) COMPUTATION

Find the value of the variable "N" in the following logarithmic equation. $\log_{3/2} N = 2$

[Read as: log base three-halves of N equals two]

ANSWER: $9/4$

36. SCIENCE (Physics) COMPUTATION

Answer the following question about work in terms of joules and assume the acceleration due to gravity is 9.8 meters per second squared. A ball weighing two kilograms falls 2.5 meters. How much work does the force of gravity do on the ball?

ANSWER: 49 joules

37. SOCIAL STUDIES (Economics)

For 2013, this figure is projected to be about \$973 billion. This two-word term refers to the difference between the government's planned yearly spending and its yearly revenue. What is the name for the financial situation that occurs when an entity has more going out of its coffers than coming in?

ANSWER: budget deficit

ROUND #4 - TOSS UP QUESTIONS

38. MATHEMATICS (Calculus) COMPUTATION

Find the derivative of $h(x) = (5x - 4)^2$. [Read as: h of x equals open parenthesis five x minus four, closed closed parenthesis squared.]

ANSWER: $10(5x - 4)$ [Read as: ten times quantity five x minus four] or $50x - 40$

39. LANGUAGE ARTS (American Literature)

Known for his meticulous research, this American author produced over 40 novels, many of them best sellers centered on sweeping historical and geographic themes. His short story collection, *Tales of the South Pacific*, won the 1947 Pulitzer Prize. Who was this American author who gave us the books *Hawaii*, *Centennial*, and *Chesapeake*?

ANSWER: James Michener

40. SOCIAL STUDIES (U.S. History)

This man who served as a brigadier general Mexican-American War was the only U.S. president to come from the state of New Hampshire. Often considered an unsuccessful president, he was widely criticized for his stance on the possibility of reopening slavery in the West. During his inauguration in 1853, he was the only president to affirm rather than swear his loyalty to the Constitution. Identify this president who was replaced by James Buchanan as the Democratic candidate in the following election.

ANSWER: Franklin Pierce

41. MATHEMATICS (Geometry) COMPUTATION

The point $(-8, 7)$ is on a circle that has $(7, -1)$ as its center. What is the diameter of this circle?

ANSWER: 34

42. SCIENCE (Chemistry)

A good example of this type of chemical bond can be found in the water molecule. This type of bonding occurs because one atom has a stronger affinity for electrons than the other. What is this type of bond that is formed when electrons are unequally shared between two atoms?

ANSWER: polar covalent bonding

43. MISCELLANEOUS (Sports)

This NFL football player was the first player to win the college football national title and the Super Bowl in consecutive years. After winning the championship playing for the University of Pittsburgh, he spent eleven seasons with the Dallas Cowboys as a running back. What is the name of this hall-of-fame running back who won the Heisman Trophy in 1976?

ANSWER: Tony Dorsett

44. SOCIAL STUDIES (World History)

This armed service founded in the early 1800s accepts members from any country in the world into its ranks, and has been shrouded in mystery and speculation for many years. The service's Code of Honor concludes with the statement, "In combat, you will act without passion and without hate, you will respect the vanquished enemy, you will never abandon your dead or wounded, nor surrender your arms." What is the name of this European elite military unit that is known for its traditional, white, peaked hat?

ANSWER: French Foreign Legion

ROUND #4 - TOSS UP QUESTIONS

45. LANGUAGE ARTS (World Literature)

This novel dissects the societal unrest that was taking place in Russia in the middle of the 19th century as young nihilists and liberals embraced change against a backdrop of old, conservative traditionalists, to whom change was a threat to their way of life. Featuring the characters Arkady Kirsanov and Yevgeny Bazarov, what novel by Ivan Turgenev shows the strain that such change placed on family relationships?

ANSWER: *Fathers and Sons*

46. MATHEMATICS (General Mathematics)

This 17th-century French mathematician, scientist, and religious thinker wrote a treatise of projective geometry when he was only 16, helped to formulate the probability theory, and invented the mechanical calculator. Who was this mathematician most well known for his geometric arrangement of binomial coefficients within a triangle?

ANSWER: Blaise Pascal

47. FINE ARTS (Art)

Finding it difficult to gain acceptance as an artist in America, this African-American moved to Paris in 1891 and spent most of his remaining life there. On a short visit back to the U.S., he painted a picture showing an elderly man teaching a young boy how to play a stringed instrument. Who was this Realist artist who painted *The Banjo Lesson*?

ANSWER: Henry Ossawa Tanner

48. SOCIAL STUDIES (Geography)

This city on the West Coast was the site of a mission established in 1769 by Spanish friar Junipero Serra. The mission and the surrounding area were named for the Catholic Saint Didicas, who is better known by this city's name. What is this city that is the second most populated city in the state of California and boasts such popular tourist destinations as Balboa Park and SeaWorld?

ANSWER: San Diego

49. LANGUAGE ARTS (British Literature)

This poem is structured around a wedding guest who has been stopped on the way to the ceremony and compelled to listen to a strange tale told by an old sailor who suffered from the guilt and the consequences of killing a bird. What is the name of this poem by Samuel Taylor Coleridge in which the shooting of an albatross starts a chain of ghostly events?

ANSWER: *The Rime of the Ancient Mariner*

50. SCIENCE (Biology)

This Scottish embryologist achieved a scientific first when he cloned a lamb from fully differentiated adult mammary cells in 1996. Name the scientist who cloned "Dolly" with a cell from an adult ewe, setting off a huge controversy about the ethics of cloning.

ANSWER: Ian Wilmut

EXTRA TOSS UP QUESTIONS

1. LANGUAGE ARTS (British Literature)

Poet Percy Bysshe Shelley composed this work in Italy and published it in 1819. In a letter he said this about his newest creation: "It is a drama, with characters and mechanism of a kind yet unattempted." What is the name of this lyrical drama, which is based on the story of an unrepentant champion of mankind, who stole fire from heaven and was condemned by Zeus?

ANSWER: *Prometheus Unbound*

2. MATHEMATICS (Geometry)

This kind of line can be used to help approximate the slope of a tangent line. A portion of this kind of line is a line segment called a chord or diameter. What kind of line intersects a circle in two points?

ANSWER: secant line

3. SCIENCE (Biology)

This organ plays a vital role in temperature regulation, protection from ultraviolet light, and the manufacture of Vitamin D. Specialized nerve receptors in this organ allow the body to sense pain, heat and cold, touch, and pressure. What is this protective organ that covers the body and is loosely attached to underlying tissues?

ANSWER: skin

4. SOCIAL STUDIES (World History)

Charged with treason and imprisoned for life in 1962, this man was later released and elected by his country's National Assembly as the country's president for a term that lasted five years. Who was this recipient of the 1993 Nobel Peace Prize who became South Africa's first black president in 1994.

ANSWER: Nelson Mandela

5. LANGUAGE ARTS (Grammar)

Identify the adjectival phrase in the following sentence. The discovery of penicillin was a huge scientific breakthrough.

ANSWER: of penicillin

6. FINE ARTS (Art)

This 17th-century artist, although not from Italy, was heavily influenced by the Italian style of painting that he learned from his teachers. In many of his paintings, he uses the Italian technique of *chiaroscuro* [kee-ahr-uh-SKYOOR-oh], a strong contrast of light and dark, to bring his paintings to life. Many of these paintings include depictions of scenes from the Bible and of anatomy lessons that were often held by doctors in his hometown in Holland. Who is this artist, famous for the paintings *The Night Watch* and *Belshazzar's Feast*?

ANSWER: Rembrandt van Rijn

7. MISCELLANEOUS (Movies)

This character, also known by the name Selina Kyle, has been played by such actresses as Julie Newmar, Lee Meriwether, and Eartha Kitt in the 1960s, Michelle Pfeiffer in 1992, and Halle Berry in 2004. In 2012, the role was reprised by Anne Hathaway in the film *The Dark Knight Rises*. Who is this whip-carrying burglar of Gotham City?

ANSWER: Catwoman

EXTRA BONUS QUESTION

BONUS QUESTION # 1. SCIENCE (4 parts in Biology)

Identify each of the four major classes of vertebrate tissue from the following clues.

1 . These tissues are comprised of cells separated by non-living material and include bones and blood.

ANSWER: connective

2 . These tissues function to produce force and cause motion.

ANSWER: muscle

3 . This tissue forms the brain, cranial nerves, and the spinal cord.

ANSWER: nervous

4 . These tissues are formed by layers of cells that cover organ surfaces such as the surface of the skin, the airways, and the inner lining of the digestive tract.

ANSWER: epithelial

EXTRA LIGHTNING ROUND

LIGHTNING ROUND QUESTION # 1. LANGUAGE ARTS (Vocabulary)

Rhymes With Goose: Identify the following words that all rhyme with *goose*.

1 . Agreement to suspend hostilities for a period of time.

ANSWER: truce

2 . Creamy French dessert made with whipped eggs.

ANSWER: mousse

3 . To derive as a conclusion from known facts.

ANSWER: deduce

4 . Plea offered for release from an obligation.

ANSWER: excuse

5 . Water channel controlled by a vertical gate.

ANSWER: sluice

6 . Grocery section for fruits and vegetables.

ANSWER: produce

7 . A dark or brownish purplish color.

ANSWER: puce

8 . Loop with a running knot.

ANSWER: noose

9 . Synonym for *hermit*.

ANSWER: recluse

10 . Opposite of *acute*.

ANSWER: obtuse

EXTRA

11 . To bring to a smaller extent or amount, or to lower in intensity.

ANSWER: reduce

12 . Coniferous evergreen tree in the family Pinaceae.

ANSWER: spruce