1. There are different types of tissue in the body. Identify the types of tissue located in internal organs.

   SMOOTH (TISSUE)

2. This question may require a multiple answer. Identify all of the adverbs found in the following sentence, "Cautiously Jeb turned and spied her waiting patiently there."

   CAUTIOUSLY, PATIENTLY, THERE

3. Multiply the following: \((3x - 5y)(4x + y)\).

   \[12x^2 - 17xy - 5y^2\]

4. It is written in strict form. Identify this time in music history ranging from the middle of the 16\(^{th}\) to the middle of the 17\(^{th}\) centuries characterized by emotional, flowery music.

   BAROQUE

5. Name the Canadian province that extends from the Great Lakes to Hudson Bay. It has as its capital Toronto.

   ONTARIO

6. General McClellan came up with a plan to move the Union Army of the Potomac by ship down Chesapeake Bay from Washington, land them on the peninsula between the York and James Rivers, and advance up to Richmond. The Union Army moved cautiously up and were within a few miles of the Confederate capital before being turned back. Give the name of this movement.

   PENINSULA CAMPAIGN

7. Give the name of the arteries that carry blood to the lungs.

   PULMONARY (ARTERIES)

8. Identify the superlative form of seriously.

   MOST SERIOUSLY

9. Factor the following: \(b^2 - 36\).

   \[(b + 6)(b - 6)\]

10. He sought the Presidency numerous times. Identify the famous member of Congress described as being Kentucky’s most famous senator during the 19\(^{th}\) century.

    (HENRY) CLAY
11. The ilium and the ischium both make up which part of the body?

PELVIS

12. What name is applied to the group of American landscape artists who drew their inspiration from the U. S. mountains of the Far West?

ROCKY MOUNTAIN SCHOOL

13. In the sentence, “Slipping and sliding down the icy slope was my best friend, James,” identify the appositive.

JAMES

14. Give the 2-word term for those inputs into production which are used repeatedly, such as machinery, buildings, and equipment.

CAPITAL RESOURCES

15. Name the Greek playwright known for his comedies including *The Frogs, The Wasps, and The Clouds*.

ARISTOPHANES

16. Give the number of prime numbers between 80 and 100.

3

17. It occurred on August 6, 1945. Give the name of the first Japanese city that the atomic bomb was dropped by the American bomber *Enola Gay*.

HIROSHIMA

18. Different types of symmetry exist. Identify the type of symmetry found in the starfish.

RADIAL (SYMMETRY)

19. Correct the following sentence if needed, “Lay down here for a minute and rest.”

CHANGED LAY TO LIE

20. The pharaohs were declared to be his incarnation. Identify the name of the son of Isis and Osiris, the mythological Egyptian hawk-headed sun god.

HORUS

21. What percent of 105 equals 21?

20 (PERCENT)

22. In 1857 she was the first child born of English parents in the New World. Name her.

(VIRGINIA) DARE
23. The brain is composed of different parts. Which part of the brain controls balance and muscular coordination?

CEREBELLUM

24. Identify the literary term exemplified by the following, “Her hair was like golden rays of sunshine.”

SIMILE

25. Identify this famous American musical pair known for composing “The Sound of Music” and “State Fair.”

RODERS & HAMMERSTEIN

26. This author tells of India overcoming the loneliness of a new town with the help of a dog in *Because of Winn Dixie*. Name this author.

(KATE) DICAMILLO

27. He shared the Nobel Prize in medicine or physiology in 1945 for the development of this drug. Name the discoverer of penicillin in 1928.

(SIR ALEXANDER) FLEMING

28. Spanish explorer Vasco de Balboa became the first European to see the eastern shore of the Pacific Ocean from which present-day Central American country in 1513?

PANAMA

29. With a 5-pound bag of flour, the bakery can make 120 banana nut muffins. How many muffins can the bakery make if they only have 2 pounds of flour?

48 (MUFFINS)

30. What does it cost to carpet a room 10 feet by 12 feet at $12 per square foot?

$1,440

31. Son of a congressman and grandson of a senator, he is known for his Midwestern themes. Name this American artist known for *History of Missouri* and *Cradling Wheat*.

(THOMAS HART) BENTON

32. The lines spoken by an actor or character in a play or drama is known as what?

SCRIPT

33. Her characters include Tom Kitten, Squirrel Nutkin, and Jemima Puddle-Duck. Name this English author whose first and most famous story, *The Tale of Peter Rabbit*, was published in 1900.

(BEATRIX) POTTER

34. Convert 7.218 kilometers into meters.

7,218 (METERS)
39. They were located beyond Burgundians before 400. Beginning in 406, they entered Gaul across Rhine at Mainz. They traveled and pillaged all through Gaul and Iberia crossing to North Africa in 429. After taking Carthage, they took up piracy in the Mediterranean and cut off food supplies to Rome from North Africa. In 455, name this East German tribe that sailed up the Tiber and sacked Rome.

VANDALS

40. If a circle has a circumference of 169 \pi meters, what is the measure of its radius?

13 METERS
35. It's a place of beauty located in California. Name this national park created in 1890 following the excitement created by naturalist John Muir about its natural beauty.

YOSEMITE (NATIONAL PARK)

36. Give the term referring to the point of a satellite's orbit farthest from the Earth.

APOGEE

37. It originated in Indonesia where its production continues to thrive. Identify this method of dyeing cloth which involves the use of removable wax to repel the dye on parts of the design where dye is not desired.

BATIK

38. When writing, what is the correct way to show the titles of motion pictures and books?

ITALICS -- UNDERLINING
1. This question requires a multiple answer. Solve the following for $x$: $x^2 + 7 > 71$

   $X < -8$ AND $X > 8$

2. Give the musical term referring to the succession of single tones or pitches perceived by the mind as a unity.

   **MELODY**

3. Which English astronomer became famous for identifying the comet named after him that reappears approximately every 76 years or so and then predicting the comet’s reappearance?

   *(EDMUND) HALLEY*  

4. A mountain range creates a rain shadow in the eastern part of which U. S. state having Olympia as its capital?

   **WASHINGTON**

5. What type of current flows in one direction through a circuit?

   **DIRECT (CURRENT)**

6. A stanza is a division in a poem named for the number of lines it contains. What is a four-line stanza?

   **QUATRAIN**

7. What trigonometric function is the reciprocal of the sine of $x$?

   **COSECANT X**

8. Such prefixes as *cata-* and *catha-* as in *cataclysm* all share the same meaning. Give the meaning beginning with the letter D.

   **DOWN**

9. She was the daughter of Geb and Nut or Earth and Sky. Identify the principal goddess of ancient Egypt, the sister-wife of Osiris.

   **ISIS**

10. He was awarded the 1922 Nobel Prize in physics for his work on atomic structure. He postulated that electrons move in restricted orbits around the atom’s nucleus. Name this scientist.

    *(NEILS) BOHR*

11. Stories have different parts. What is the turning point in a story or play?

    **CLIMAX**

12. His vision of a great “church for national purposes” was finally accomplished. Identify the French-born architect George Washington hired to lay out the nation’s capital.

    *(PIERRE) L’ENFANT*
13. Find the arithmetic mean of 66 and 85.

75.5

14. It was popular in 1937. Beginning with the letter T, identify this African American form of shuffling along while shaking the index finger of the right hand above the head.

TRUCKIN

15. He was captured and imprisoned under orders from Napoleon Bonaparte and died in a dungeon in the Jura Mountains of France in 1803. He was a leader member of the Virginia cotillion who pushed for independence in the years leading up to the Revolutionary War. He served two separate tenures as governor of Virginia and played a key role in regaining the Great Lakes Region for Virginia from the conflicting claims of Britain via the Quebec Act. Identify the American remembered for saying, “Give me liberty or give me death.”

(PATRICK) HENRY

16. Give the musical term used to indicate that the movement or entire composition is to be played grandly.

GRANDIOSO

17. Give the term for the proteins that act as catalysts for chemical reactions.

ENZYMES

18. A health research fund drive has raised $18,700. This is 22% of the goal. What is the goal?

$85,000

19. He was a Corporal from Tennessee well worth remembering. Name this hero who single handedly killed at least 20 German soldiers and captured another 132 in 1918 in the Argonne Forest.

(CORPORAL ALVIN C.) YORK

20. This short story tells of Jim Smiley and an amphibian named Dan’l Webster. They are central characters in which Mark Twain short story?

(THE) CELEBRATED JUMPING FROG OF CALAVERAS COUNTY

21. What is the unit of genetic material containing the information needed to produce and regulate a single protein?

GENE

22. It is co-authored by writers Scott O’Dell and Elizabeth Hall. Name this work in which a chief’s daughter tells the tale of soldiers taking Native American land.

THUNDER ROLLING IN THE MOUNTAIN

23. Give the art term for a wood or metal stand that artists often paint on or sometimes used for displaying paintings.

EASEL
24. In a 45°-45°-90° triangle, the measure of one of the legs is 7 feet. Find the measure of the length of the hypotenuse.

7 RADICAL 2 FEET (SQUARE ROOT CAN BE USED INSTEAD OF RADICAL)

25. He led Egypt into its “golden age.” He made his capital at Thebes and built the Temple of Luxor. Identify this pharaoh of Egypt.

AMENHOTEP III

26. Give the term beginning with the letter I referring to the disease transmitted by disease-causing microorganisms.

INFECTIOUS (DISEASE)

27. It is made up of beat, rhythm, and tempo. Identify this element of dance.

TIME

28. He was an Argonaut who hunted the Calydonian boar. Identify this mortal twin brother of Polydeuces who taught the hero Hercules how to use the sword.

CASTOR

29. Which Norwegian explorer is credited with the discovery of North America in 1000?

(LEIF) ERIKSON

30. This question requires a multiple answer. Name 3 of the 6 inert or noble gases.

RADON, XENON, KRYPTON, ARGON, NEON, HELIUM (ANY 3)

31. *The Castle of Llyr*, *Taran Wanderer*, and *The Black Cauldron* are literary works written by which author?

(LLOYD) ALEXANDER

32. What is the least common multiple of 16 and 40?

80

33. Which continent has the world’s largest known petroleum reserves?

ASIA

34. Which sad Dr. Seuss tale involves a fuzzy creature losing his forest home when the greedy Once-lers cut down all the Truffula trees?

(THE) LORAX

35. He experimented with pointillism but is best known for his city and country landscapes. Name this artist known for *Woman with a Wheelbarrow*, *Red Roofs*, and *Apple Harvest at Eragny*.

(CAMILLE) PISSARRO
36. Given $5x^2$ name the coefficient.

5

37. She distinguished herself by carrying water and by replacing her husband in loading and firing cannons in the Battle of Monmouth in 1778. Name this female American Revolutionary hero.

(MOLLY) PITCHER or (MARY LUDWIG) HAYS

38. Rain or snow with a pH below 5.6 is considered to be what?

ACID RAIN

39. What type of energy is contained in Earth’s crust?

GEOTHERMAL (ENERGY)

40. This setting is where Tree-Ear, an orphan who lives under a bridge, becomes fascinated with a nearby community of potters in the 2002 Newbery Medal winner *A Single Shard*. Which country was featured by Linda Sue Park?

KOREA

EXTRA QUESTIONS

1. This question requires a full name answer. She was unflagging in her support of him and after his assassination continued to work for the advancement of African Americans. She shared in his symbolic role as leader of the Civil Rights Movement. Give the name of the wife of Martin Luther King Jr.

CORETTA (SCOTT) KING

2. Give the 2-word term referring to the form of asexual reproduction in which plants produce genetically identical offshoots or clones of themselves which then develop into independent plants.

VEGETATIVE PROPAGATION

3. A small stone or metal plate is used. The printer, usually with the artist’s supervision, covers the plate with a sheet of paper which is then run through the printer. Identify this printing process.

LITHOGRAPH

4. Find the value of the following: 16 divided by 4 times 2 plus 3 times 8 minus 2.

30

5. The true story of the yellow fever epidemic that nearly decimated the population of Philadelphia at the end of the 18th century is told in which 2004 Honor Book written by Jim Murphy?

AN AMERICAN PLAGUE or AN AMERICAN PLAGUE: THE TRUE AND TERRIFYING STORY OF THE YELLOW FEVER EPIDEMIC OF 1793