

ROUND 1 - MULTIPLE CHOICE**HISTORY: AMERICAN PRESIDENTS**

1. The only president to be elected for more than two terms was ...

- A. Franklin Roosevelt
- B. Abraham Lincoln
- C. Thomas Jefferson
- D. Dwight Eisenhower

|A~

2. The U.S. president's office has what shape?

- A. oval
- B. triangular
- C. octagonal
- D. pentagonal

|A~

3. Who immediately preceded Abraham Lincoln?

- A. Franklin Pierce
- B. Chester Arthur
- C. Andrew Johnson
- D. James Buchanan

|D~

4. The Virginia home of George Washington was Mount ...

- A. Rainier
- B. Vernon
- C. Holyoke
- D. Rushmore

|B~

5. For his decades of effort to find peaceful solutions to international conflicts and to advance democracy and human rights, who won the 2002 Nobel Peace Prize?

- A. Bill Clinton
- B. Gerald Ford
- C. George Bush
- D. Jimmy Carter

|D~

6. George Washington delivered his first inaugural address in ...

- A. Boston
- B. New York
- C. Plymouth
- D. Pittsburgh

|B~

7. Woodrow Wilson's hope for a League of Nations was one of several matters discussed in his ---- Points.

- A. Ten
- B. Twelve
- C. Fourteen
- D. Sixteen

|C~

ROUND 1 - MULTIPLE CHOICE**ARTS & LITERATURE: CENTURY AMERICAN LITERATURE**

1. "The Jungle," was written by ...

- A. Thomas Mann
- B. Sinclair Lewis
- C. Upton Sinclair
- D. Conrad Richter

| C~

2. This author of "Sanctuary" and "The Sound and the Fury" also wrote ...

- A. "As I Lay Dying"
- B. "The Razor's Edge"
- C. "Of Human Bondage"
- D. "For Whom the Bell Tolls"

| A~

3. Among the writers of the Harlem Renaissance were Countee Cullen, Zora Neale Hurston, Jean Toomer, and ...

- A. Alice Walker
- B. W.E.B. DuBois
- C. Richard Wright
- D. Langston Hughes

| D~

4. The book by Betty Friedan that rallied the women's movement in the 1960's was titled "The Feminine ..."

- A. Aura
- B. Appeal
- C. Crusade
- D. Mystique

| D~

5. Who was not an American author of the 1920's?

- A. Toni Morrison
- B. Sinclair Lewis
- C. Gertrude Stein
- D. John Dos Passos

| A~

6. Which is not a work of Jack Kerouac?

- A. "Big Sur"
- B. "On the Road"
- C. "The Dharma Bums"
- D. "The Monkey Wrench Gang"

| D~

7. The protagonist in Ernest Hemingway's early short stories is ---- Adams.

- A. Nick
- B. Henry
- C. Jack
- D. Douglas

| A~

ROUND 1 - MULTIPLE CHOICE**SCIENCE: HUMAN ANATOMY**

1. Which body cells attain the longest lengths?
 - A. blood cells
 - B. nerve cells
 - C. cells in bone tissue
 - D. cells in muscle tissue|B~

2. Which consist of lymphoid tissue?
 - A. kidneys and lungs
 - B. biceps and triceps
 - C. vertebrae and ribs
 - D. adenoids and tonsils|D~

3. A transparent tissue in front of the iris and pupil of the eye is the ...
 - A. cornea
 - B. retina
 - C. parenchyma
 - D. aqueous humor|A~

4. Which tissue may be squamous, cuboidal, or columnar?
 - A. bone
 - B. blood
 - C. muscle
 - D. epithelial|D~

5. The bones of adult mammals have two forms including compact and ---- bone.
 - A. spongy
 - B. striated
 - C. distended
 - D. elongated|A~

6. The brachial plexus group of nerves is in the ...
 - A. ear
 - B. thigh
 - C. abdomen
 - D. upper arm|D~

7. Smooth muscle tissue is least abundant in ...
 - A. biceps
 - B. arteries
 - C. bladders
 - D. tracheas|A~

ROUND 1 - MULTIPLE CHOICE**MATH: SQUARE ROOT**

1. The square root of which number lies between 9 and 10?

- A. 79
- B. 96
- C. 109
- D. 117

|B~

2. The square root of which choice is a whole number?

- A. 33
- B. 65
- C. 97
- D. 144

|D~

3. The square root of 75 equals 5 times the square root of ...

- A. 1
- B. 2
- C. 3
- D. 4

|C~

4. What is the square of the sum of the square root of 16 and the square root of 25?

- A. 36
- B. 49
- C. 64
- D. 81

|D~

5. Which number is not paired with its square root?

- A. 49 - 7
- B. 81 - 9
- C. 169 - 13
- D. 650 - 25

|D~

6. The square root of 57 falls between ...

- A. 3 and 4
- B. 5 and 6
- C. 7 and 8
- D. 9 and 10

|C~

7. What is the sum of the square roots of 196, 484, and 961?

- A. 43
- B. 52
- C. 67
- D. 71

|C~

ROUND 3 – FREE RESPONSE

HISTORY: EUROPEAN HISTORY

1. The almost continuous conflict between England and France from 1337 to 1453 is called the ...

| Hundred Years War~

2. Over what Italian city did Lorenzo de' Medici rule?

| Florence~

3. In 1602, the Dutch combined several of their Asian trading companies into one powerful organization called the Dutch ...

| East India Company~

4. What French leader launched a massive invasion of Russia in 1812?

| Napoleon Bonaparte~

5. Martin Luther nailed how many theses on the door of a church?

| 95~

6. The first hot air balloon to carry humans aloft was launched from what European city in 1783?

| Paris~

7. In the year 218 B.C., who led an army with elephants from Spain into the region now occupied by Italy?

| Hannibal~

8. The Treaty of Ghent, ending the War of 1812, was signed in what country?

| Belgium~

9. The Ark Royal was the English flagship used in defeating what flotilla in 1588?

| Spanish Armada~

ROUND 3 – FREE RESPONSE

ARTS & LITERATURE: ART HISTORY

1. In what city could a tourist see the Trevi Fountain?

| Rome~

2. Mathew Brady photographed during what war?

| Civil War~

3. What avant-garde painter who died at age 44 in an auto accident in East Hampton, New York, was best known for his "drip" paintings?

| Jackson Pollock~

4. To see the "Winged Victory of Samothrace" and the "Venus de Milo," you must travel to what French museum?

| Louvre~

5. What was the nationality of Pablo Picasso?

| Spanish~

6. What are the subjects for which John J. Audubon is mostly remembered in his drawings, engravings, and paintings?

| birds~

7. Among her finest works is the Pelvis Series, austere studies of animal bones against spare backgrounds. Name this artist of New Mexico.

| Georgia O'Keeffe~

8. What painter is known for works related to the founding of America such as "The Battle of Bunker Hill," and "Signing of the Declaration of Independence"?

| John Trumbull~

9. Identify the Renaissance artist who designed the dome for St. Peter's Basilica.

| Michaelangelo~

ROUND 3 – FREE RESPONSE

SCIENCE: INSECTS

1. Pale-colored social insects of the order Isoptera known for their destructiveness to wood are ...

| termites~

2. In insects, the third body region behind the head and thorax is called the ...

| abdomen~

3. What type of skeletons do insects, snails, spiders, and starfish have?

| exoskeletons~

4. How many pairs of legs do insects have?

| 3~

5. Which stage of insect metamorphosis is between the egg and pupa stages?

| larva~

6. The three main types of bees include queens, workers, and ...

| drones~

7. African sleeping sickness is carried by what insect?

| tsetse fly~

8. Ants communicate with one another by smell through the secretion of chemicals called ...

| pheromones~

9. The scientific study of insects is ...

| entomology~

ROUND 3 – FREE RESPONSE**MATH: MULTIPLICATION**

1. Multiply .2 by .02.

| .004~

2. What is the product of $8\frac{3}{5}$ and 5?

| 43~

3. What is the product of $23\frac{7}{12}$ and 6?

| $141\frac{1}{2}$ or 141.5~

4. Multiply 46 by 96.

| 4,416~

5. What is the product of -7 and -12?

| 84~

6. What number is equal to 2 to the third power times 5 to the second power?

| 200~

7. Multiply P to the fifth power by P to the eighth power.

| P to the 13th power~

8. Multiply 137 by 29.

| 3,973~

9. What is the square of -.125?

| .015625~

ROUND 1 – MULTIPLE CHOICE**HISTORY: LATIN AMERICA**

1. In 1973, President Allende was overthrown in a violent coup and General Augusto Pinochet was installed as the head of ...

- A. Chile
- B. Brazil
- C. Mexico
- D. Colombia

|A~

2. Paraguay and what other South American nation have no border on an ocean?

- A. Bolivia
- B. Guyana
- C. Ecuador
- D. Colombia

|A~

3. Tegucigalpa is the capital of ...

- A. Belize
- B. Colombia
- C. Honduras
- D. Nicaragua

|C~

4. Columbus landed on Hispanola in 1492. That island now consists of the two countries of the Dominican Republic and ...

- A. Cuba
- B. Haiti
- C. Jamaica
- D. Grenada

|B~

5. Which city is in a region dominated by the Portuguese in the 16th century?

- A. Cuzco
- B. Bogota
- C. Veracruz
- D. Rio de Janeiro

|D~

6. The defeat of the Aztecs was facilitated by an outbreak of ...

- A. scurvy
- B. malaria
- C. smallpox
- D. influenza

|C~

7. The largest city south of the equator is ...

- A. Santiago
- B. Asuncion
- C. Mexico City
- D. Buenos Aires

|D~

ROUND 1 – MULTIPLE CHOICE**ARTS & LITERATURE: EDGAR ALLAN POE**

1. Edgar Allan Poe did not write ...

- A. "Israfel"
- B. "To Helen"
- C. "Arthur Gordon Pym"
- D. "The Maltese Falcon" |D~

2. Edgar Allan Poe's poem "The Raven" is set during which month?

- A. February
- B. August
- C. October
- D. December |D~

3. Who unexpectedly appears in a bloodstained shroud in "The Fall of the House of Usher"?

- A. Helen
- B. Virginia
- C. Annabel
- D. Madeline |D~

4. Where, according to Poe, did Annabel Lee live?

- A. in old town Milwaukee
- B. beneath an old oak tree
- C. in a kingdom by the sea
- D. high where she could see |C~

5. A collection of short stories by Edgar Allan Poe is "Tales of the Grotesque and ..."

- A. Burlesque
- B. Arabesque
- C. Picturesque
- D. Humoresque |B~

6. The prisoner in "The Pit and the Pendulum" is finally released when ...

- A. he gets a pardon
- B. he becomes a Christian
- C. another prisoner frees him
- D. rats gnaw through his bindings |D~

7. The setting for Poe's "The Cask of Amontillado" is in a ...

- A. mine
- B. dungeon
- C. ship's hold
- D. wine cellar |D~

ROUND 1 – MULTIPLE CHOICE**SCIENCE: CHEMISTRY**

1. Which consists of more than one element?

- A. gold
- B. halite
- C. copper
- D. mercury

|B~

2. The bonding that results from the tendency of electrons in the outermost shell to pair and spin around each other in an orbital is ---- bonding.

- A. ionic
- B. peptide
- C. metallic
- D. covalent

|D~

3. Which has the highest atomic number?

- A. lead
- B. sulfur
- C. boron
- D. fluorine

|A~

4. The stalactites of caverns are composed of ...

- A. sulfur dioxide
- B. aluminum silicate
- C. calcium carbonate
- D. beryllium hydroxide

|C~

5. Which metal has the lowest atomic number?

- A. tin
- B. barium
- C. cesium
- D. beryllium

|D~

6. All steels contain ...

- A. tin
- B. iron
- C. lead
- D. pewter

|B~\

7. Which has the lowest atomic weight?

- A. gold
- B. sulfur
- C. carbon
- D. polonium

|C~

ROUND 1 – MULTIPLE CHOICE**MATH: RATIO**

1. 4,000 trout are stocked in 3 lakes in the ratio of 5 to 7 to 13. The difference between the largest and smallest number of fish distributed per lake is ...

- A. 1,220
- B. 1,240
- C. 1,260
- D. 1,280

|D~

2. Two cars simultaneously leave the same point in opposite directions at average speeds in the ratio of 7 to 3. They are 360 miles apart after 3 hours. The faster vehicle's rate is ---- mph.

- A. 82
- B. 84
- C. 86
- D. 88

B~

3. The ratio of two complementary angles is 2 to 3. The measures of each are ---- degrees.

- A. 28 and 62
- B. 30 and 60
- C. 32 and 58
- D. 36 and 54

|D~

4. Which is equal to the ratio of 13 to 39?

- A. $\frac{2}{9}$
- B. $\frac{4}{7}$
- C. $\frac{1}{3}$
- D. $\frac{3}{10}$

|C~

5. Restate in simplest form the ratio of 3 inches to 2 feet.

- A. 1 to 2
- B. 1 to 4
- C. 1 to 6
- D. 1 to 8

|D~

6. Three angles are in the ratio of 7 to 6 to 5. Find the angles given that the first and third are supplementary.

- A. 90, 75, 90
- B. 95, 80, 85
- C. 100, 95, 80
- D. 105, 90, 75

|D~

7. The ratio of the Venusians to the number of Martians in a room is 4 to 3. There are 32 Venusians. How many Martians are there?

- A. 20
- B. 24
- C. 32
- D. 36

|B~

ROUND 3 – FREE RESPONSE

HISTORY: NEW YORK

1. Peter Minuit, who bought Manhattan Island, was of what nationality?

|Dutch~

2. What river separates New York and New Jersey?

|Hudson River~

3. Name the organization housed in New York City and founded in 1945 to promote peace and international security and cooperation.

|United Nations~

4. In 1892, inundated with masses of immigrants, the U.S. Immigration Bureau opened what facility in upper New York Bay to receive newcomers?

|Ellis Island~

5. Buffalo, New York is on the shores of what lake?

|Lake Erie~

6. What building, opened in 1931 with 102 stories and reaching a height of 1250 feet, remained the world's tallest building until 1970?

|Empire State Building~

7. Lake Champlain is on the border between New York and what other state?

|Vermont~

8. What battle of the American Revolution happened in 1777 on Freeman's Farm in New York?

|Battle of Saratoga~

9. What leader of the pop art movement worked in a silver studio called the "Factory" in New York City?

|Andy Warhol~

ROUND 3 – FREE RESPONSE**ARTS & LITERATURE: AUTHORS**

1. Who created Holden Caulfield?

|J.D. Salinger~

2. What author's best known work describes the Puritan practice of forcing an adulteress to wear a scarlet "A" on her clothing?

|Nathaniel Hawthorne~

3. John Keats wrote the words, "tender is the night" in his "Ode to a Nightingale." What American author used this line as the title of his novel about a physician and his mentally ill wife?

|F. Scott Fitzgerald~

4. Name the young French aristocrat who came to the U.S. in 1831 to examine the penal system but returned to France to write the classic study, "Democracy in America."

|Alexis de Tocqueville~

5. Who wrote "Finnegan's Wake"?

|James Joyce~

6. The three Bronte sisters included Charlotte, Anne, and ...

|Emily~

7. Who wrote the novels "East of Eden" and "Of Mice and Men?"

|John Steinbeck~

8. What fantasy land was created by L. Frank Baum?

|Oz~

9. Who created these characters?

Mock Turtle
White Queen
March Hare
Mad Hatter

|Lewis Carroll~

ROUND 3 – FREE RESPONSE

SCIENCE: BIOLOGY

1. Bones are normally held together in proper alignment by a fibrous sac, the articular capsule, and by what tough fibrous bands?

|ligaments~

2. What tiny disk-like bodies float in plasma and help make blood clot?

|platelets~

3. What is the final stage of mitosis?

|telophase~

4. Glucagon and insulin are produced by endocrine cells in the tissues of what organ?

|pancreas~

5. Name the small rounded movable bone in a tendon in front of the knee joint.

|patella~

6. Cells in the blood which engulf foreign matter are called ...

|phagocytes~

7. Name the process by which the chromosome number in a cell is reduced by one-half.

|meiosis~

8. Algae contribute oxygen to the Earth's atmosphere through what process?

|photosynthesis~

9. What gland is about the size of a pea and functions to stimulate several other glands to produce hormones?

|pituitary~

ROUND 3 – FREE RESPONSE**MATH: GEOMETRY**

1. How many degrees are in one quadrant of a circle?

| 90~

2. How many edges does a pyramid have with a square base?

| 8~

3. What is the measure of the third angle in a triangle if the other angles measure 13 and 27 degrees?

| 140 degrees~

4. One angle of a right triangle is 37 degrees. What are the measures of the other two?

| 90 and 53 degrees~

5. The area of a triangle is 75 square feet and its base is 10 feet. What is the height?

| 15 feet~

6. How many more edges than faces does a cube have?

| 6~

7. Find the number of degrees in the larger of two supplementary angles given that they are in the ratio of 5 to 7.

| 105 degrees~

8. Sara's shed is 10 feet by 10 feet while Sally's shed is 20 feet by 20 feet. How many times more floor space is in Sally's shed than Sara's?

| 4~

9. Name the parallelogram with two congruent consecutive sides.

| rhombus~