

500 Questions Volume II - Set 3

1. You are mixing chlorine gas with potassium to form potassium chloride. For 10 points, how many moles of potassium must you use to fully react 44.8 liters of chlorine gas?

Answer: 4 moles (44.8 liters is 2 moles of Cl_2 or 4 moles of Cl , Cl and K have the same valence, therefore it takes 4 moles of K)

2. Julius Caesar died on the Ides of March, but he wrote The Ides of March. Also a playwright, his "The Matchmaker" was the basis for the Broadway musical "Hello, Dolly!" For 10 points, identify this Pulitzer Prize winner and author of "Our Town."

Answer: Thornton Wilder

3. Low tobacco prices had already upset Virginia's small farmers in the 1670's when the colonial government's slow response to Indian raids angered them even more. The yeomen revolted in 1676 under the leadership of a wealthy young planter and member of the House of Burgesses. For 10 points, identify this revolt which was crushed after the leader for whom it was named died suddenly of causes unrelated to the revolt.

Answer: Bacon's Rebellion

4. It is associated with the mitochondria and is a complex cycle of enzyme-controlled reactions by which pyruvic acid is broken down in the presence of oxygen into carbon dioxide, and ATP is synthesized. For 10 points, what is the name of this cycle also known as the citric acid cycle?

Answer: Krebs cycle

5. This stellar running back did not carry the ball until his junior year in high school, because he was more interested in playing drums in the marching band. His careered rocketed at Jackson State University, however, where he set an NCAA record for most points with 464. For 10 points, who is this running back who holds the NFL record for most rushing yards—all gained with the Chicago Bears?

Answer: Walter Payton

6. His earliest novels were conventional thrillers and the first, Call for the Dead, introduced the mild-mannered mastermind and secret agent George Smiley. For 10 points, identify this author of A Small Town in Germany, The Spy Who Came in From the Cold, and The Little Drummer Girl.

Answer: John LeCarre

7. The only son of Holy Roman Emperor Charles V and Isabella of Portugal, he was married four times: to Elizabeth of Valois, daughter of Henry II of France; Anna, daughter of Emperor Maximilian II; Maria of Portugal; and Mary I of England. For 10 points, identify this King of Spain who sent the Grand Armada against England in 1588.

Answer: Philip II

8. It flows from Lake Ontario to the Atlantic Ocean and forms part of the border between New York and Quebec. For 10 points, what is this major Canadian river on the banks of which lie the cities of Quebec and Montreal?

Answer: St. Lawrence River

9. They are a double-reed woodwind instrument with a conical bore, usually constructed in three sections. They have six finger holes and a number of keys, yielding a range of about two and one-half octaves. For 10 points, identify this instrument that along with the flute, clarinet, and bassoon is one of the four basic woodwind instruments of the orchestra.

Answer: oboe

10. By the year 42,000 it will come within 1.7 light years of Ross 248 and a mere 250,000 years after that it will pass within 4.3 light years of Sirius. For 10 points, identify this wandering object that may, at some point in the distant future, greet alien life in 55 earth languages and one whale dialect.

Answer: Voyager 2

11. Pencil and paper may be necessary. Consider the following equation of a line: $3y + 2x = 7x - 18$. For 10 points, at what point does this line intersect the y-axis?

Answer: $y(0) = -6$

12. First published in 1846 in Godey's Lady's Book, it takes place during the carnival in an Italian city. Concerning the revenge plotted on a connoisseur of wine by a man whom he has offended, it is one of Edgar Allan Poe's most famous works. For 10 points, identify this story that ends with Fortunato being walled in by Montresor.

Answer: The Cask of Amontillado

13. In our solar system, they originate in the Oort Cloud and are characterized by extremely eccentric orbits, often parabolic or hyperbolic. For 10 points, what are these small bodies of ice and dust, first properly recognized by Tycho Brahe in 1577?

Answer: comets

14. Born about 638 B.C., he was elected archon of Athens in 594 B.C. He initiated economic reform and replaced the harsh Draconian code. For 10 points, who was this benevolent Athenian leader who laid the foundations of democracy in Athens?

Answer: Solon

15. It was begun in the 7th century B.C. and lengthened in the 7th century A.D. and again in the 13th. Long in decline, it was dredged, widened, and renovated in 1958. For 10 points, identify this Chinese waterway, the longest and oldest made by man.

Answer: Grand Canal

16. Hindus consider it to be the second great truth of their religion. For 10 points, what is this concept, loosely translated as destiny or fate, which is accumulated by a man throughout his life according to his good and bad deeds?

Answer: karma

17. On one edge you would find the National Gallery of Britain and in it you would find Nelson's Column, the victor of the 1805 battle for which it is named. For 10 points, identify this famous London landmark located not far from Piccadilly Circus.

Answer: Trafalgar Square

18. When Harry S. Truman defeated Thomas Dewey for the presidency in 1948, he chose Alban Barkley of Kentucky as his running mate. Dewey, however, chose a man who was then serving as Governor of California. For 10 points, identify this man who in 1953 became Chief Justice of the U.S. Supreme Court.

Answer: Earl Warren

19. It was carried away from Troy by Diomedes and Odysseus, because it was supposed to have insured the safety of the city. For 10 points, what was this celebrated statue of Athena, which shares its name with the element which was recently erroneously thought to be a catalyst for cold fusion?

Answer: palladium

20. His real name was William Dukenfield, and though he took such stage names as Mahatma Kane Jeeves and Otis Cribblecoblis, he appeared in such movies as "David Copperfield" and "You Can't Cheat an Honest Man." For 10 points, who was this actor who would have rather been in Philadelphia, and who appeared in only one film with Mae West--"My Little Chickadee"?

Answer: W. C. Fields