Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

World History Quiz: Science and the Age of Reason

I. Matching

\_\_\_\_\_1. atheist A. math system by Newton

\_\_\_\_\_2. law of inertia B. religious belief that God lets the universe run by scientific laws

\_\_\_\_\_3. calculus C. a force that keeps planets in orbit

\_\_\_\_\_4. deism D. object will remain at rest unless acted upon by another force

\_\_\_\_\_5. gravity E. substance that can’t be broken down any further chemically

\_\_\_\_\_6. element F. person that does not believe in God

II. Multiple Choice

1. Copernicus

a. was a 16th century Englishman c. created the heliocentric theory

b. created the geocentric theory d. explained gravity

2. Which of the following is NOT one of Kepler’s 3 Laws of Planetary Motion?

a. planets move in a circular orbit while the sun stays in place

b. planet slows down when it comes closer to the sun

c. the time it takes a planet to move around the sun does not depend upon how close it is to the sun

d. all of the above

3. A modern definition of an element is

a. earth, wind, or fire

b. any substance that can be broken down further chemically

c. any substance that can not be broken down further chemically

d. none of the above

4. An ellipse is

a. a circular path c. a telescope

b. an oval path d. a short way of doing calculations

5. Which of the following was not considered one of the elements by the early alchemists?

a. earth c. silver

b. wind d. water

6. John Locke believed people had the right of life, liberty and

a. the pursuit of happiness c. money

b. property d. health

7. A \_\_\_\_\_\_\_ measures air pressure while a \_\_\_\_\_\_ measures temperature.

a. thermometer, barometer c. barometer, thermometer

b. spectrometer, thermometer d. barometer,

8. The \_\_\_\_\_\_\_\_\_\_ theory believes the sun is the center of the universe.

a. heliocentric c. geocentric

b. newtonian d. ecleptic

9. The Scotsman who invented logarithms was

a. Newton c. Napier

b. Bacon d. Boyle

10. Voltaire

a. was an atheist c. created the Encyclopedia

b. attacked religious intolerance d. created the idea of separation of powers

11. Logarithms

a. enable one to complete mathematical problems more quickly

b. are used to measure small amounts of elements

c. measure barometric pressure

d. none of the above

12. \_\_\_\_\_\_\_\_\_\_ created the scientific method.

a. Sir Isaac Newton c. Napier

b. Sir Francis Bacon d. Sir Walter Scott

13. John Howard

a. believed prisons should be for punishment c. created logarithms

b. believed prisons should be for rehabilitation d. felt society had corrupted mankind

14. The chemist who pioneered the use of the scientific method in Chemistry was

a. Gilbert c. Vesalius

b. Howard d. Boyle

15. Voltaire

a. was not an atheist c. wrote many plays and books

b. believed in religious toleration d. all of the above

16. The man who helped explain blood circulation was

a. Vesalius c. Howard

b. Harvey d. Boyle

17. The mathematician who was born in England the same year Galileo died and created a math formula that helped explain gravity was

a. Sir Isaac Newton c. Sir Robert Boyle

b. Sir Francis Bacon d. Sir Walter Scott

18. What religious movement attempted to show that religion and science could coexist peacefully (they could exist side by side).

a. Laissez faire c. Heliocentric theory

b. Elementalism d. Deism

19. The scientist who performed dissections upon the bodies of prisoners hung in the gallows was

a. Diderot c. Napier

b. Vesalius d. Harvey

20. The man who founded (began) political science and called for the separation of powers in government was

a. Locke c. Hobbes

b. Rousseau d. Montesquieu

21. \_\_\_\_\_\_\_\_\_ wrote the Encyclopedia to combat superstition and ignorance.

a. Howard c. Boyle

b. Diderot d. Rousseau

22. The \_\_\_\_\_\_\_\_\_ theory believes the earth is the center of the universe.

a. heliocentric c. geocentric

b. Newtonian d. ecliptic

23. English physicist that wrote a book explaining how a compass needle works and studied static elec.

a. Howard c. Boyle

b. Gilbert d. none of the above

24. The American inventor given credit for the lightning rod was

a. Howard c. Boyle

b. Gilbert d. Franklin

25. Leuuwenhoek is best know for

a. inventing the telescope c. inventing the microscope

b. creating the Scientific Method d. the 3 Laws of Planetary Motion

26. Which step is NOT a part of the Scientific Method?

a. Experiment c. Observe

b. Record Results d. Explain Failure of Experiment

27. Why would some people still have a problem supporting Copernicus’s Theory, even with the support of Kepler’s Three Laws of Planetary Motion?

a. it did not explain why the earth took such a long time to revolve around the earth

b. it did not explain why objects did not fly off into space

c. it did not explain why the planets speed up as they approach the sun

d. none of the above

28. Galileo

a. was born the same year as Newton c. invented the telescope

b. was questioned by the Inquisition d. always supported Copernicus