

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_  
**Scientific Revolution, Expansion of Europe, & Changing Life of People**

**Directions:** Fill in the blanks or circle the correct answer when given a choice of two.



1. According to Aristotle, the sublunar world was made up of four elements: air, fire, \_\_\_\_\_, and \_\_\_\_\_.
2. Copernicus *did / did not* attempt to disprove the existence of God.
3. Galileo claimed that *motion / rest* is the natural state of all objects.
4. The key feature in Newton's synthesis was the law of \_\_\_\_\_.
5. In the medieval universities, science emerged as a branch of \_\_\_\_\_.
6. The method of finding latitude came out of study and experimentation in the country of \_\_\_\_\_.
7. The idea of "progress" *was / was not* widespread in the Middle Ages.
8. In the 17<sup>th</sup> and 18<sup>th</sup> centuries a close link between pure (theoretical) science and applied technology *did / did not* exist.
9. A \_\_\_\_\_ is one who believes that nothing can ever be known beyond all doubt.
10. Voltaire believed that \_\_\_\_\_ was history's greatest man because he used his genius to benefit humanity.
11. Overall, Joseph II of Austria *succeeded / failed* as an "enlightened monarch" (embracing the spirit of the Enlightenment by reforming accordingly).
12. It is apparent that the practice of breast-feeding *increased / limited* the fertility of lower-class women.
13. The teenage bride *was / was not* the general rule in preindustrial Europe.
14. Prior to about 1750, premarital sex usually *did / did not* lead to marriage.
15. In the 18<sup>th</sup> century, the nutritious \_\_\_\_\_ was the primary new food in Europe.
16. People lived *longer / shorter* lives as the 18<sup>th</sup> century progressed.
17. The key to Jenner's discovery was the connection between immunity from smallpox and \_\_\_\_\_, a mild non-contagious disease.
18. In Catholic countries it was largely *the clergy / the common people* who wished to hold on to traditional religious rituals and superstitions.
19. The Englishman who brought religious "enthusiasm" to the common folk of England was \_\_\_\_\_.

20. Agricultural land set aside for general village use was called the \_\_\_\_\_.
21. \_\_\_\_\_ led European countries in early agricultural improvement.
22. \_\_\_\_\_ is best known for his laws of planetary motion.
23. The disappearance of the \_\_\_\_\_ encouraged population growth in Europe.
24. The use of idle fallow land and an understanding of nutrients and soil by practicing \_\_\_\_\_ increased cultivation, which meant more food.
25. The \_\_\_\_\_ was based on rural workers producing cloth in their homes for merchant-capitalists, who supplied the raw materials and paid for the finished goods.
26. The Copernican hypothesis had enormous scientific, but also \_\_\_\_\_ implications.
27. One of Galileo's greatest achievements (and he had many) was the elaboration and consolidation of the \_\_\_\_\_ method.
28. Rene Descartes view of the world reducing all substances to "\_\_\_\_\_" and "\_\_\_\_\_" became known as Cartesian dualism.
29. In his *System of Nature* (1770) and other works, Baron Paul d'Holbach argued that human beings were \_\_\_\_\_ completely determined by outside forces.
30. \_\_\_\_\_, who had great interest in human nature and human development, wrote *Essay Concerning Human Understanding* (1690) and *Second treatise of Civil Government* (1690).

**Bonus Question:** According to the law of universal gravitation, every body in the universe \_\_\_\_\_ every other body in the universe in a precise \_\_\_\_\_ relationship, whereby the force of \_\_\_\_\_ is proportional to the quantity of matter of the objects and \_\_\_\_\_ proportional to the square of the \_\_\_\_\_ between them.



- A. Sir Isaac Newton (1643-1727) once slid a needle into his eye socket to create spots in his vision so he could study the results for an optics experiment!
- B. The Sombrero Galaxy has a mass 800 billion times greater than our sun and is so large that it takes a beam of light 50,000 years to travel from one side to the other!
- C. Most of the moon's dust is magnetic!