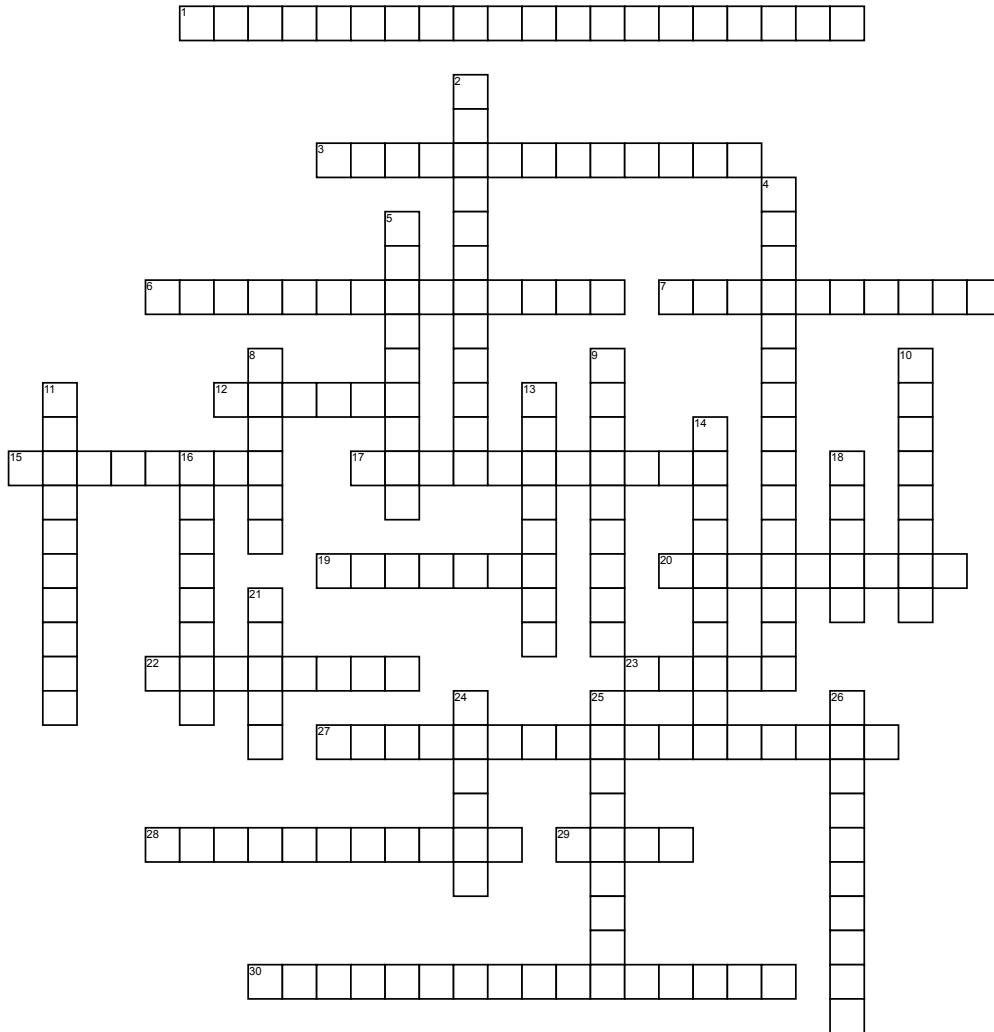


# Scientific Revolution



## Across

1. What happened during the sixteenth and seventeenth century?
3. What is the system of theological and philosophical teaching that was predominant in the middle ages?
6. Who was Tycho Brahe's assistant?
7. In 1687 Newton published, "The Mathematical Principles of Natural \_\_\_\_\_"?
12. Who argued that the planets had to move in elliptical orbits and revolve around the sun to explain their motion?
15. What is it called when the center of an epicycle moves uniformly about a larger circle?
17. What is known as the outlook, in which people assumed that the earth was the center of the universe?
19. Who built a telescope, and revolutionized our perception of the heavens?
20. Who was the first to create a comprehensive system of cosmology and mechanics?
22. What did Copernicus work contain that was the physical cosmology of Aristotle?
23. What is the belief that a supreme being created the world, but does not interfere with its day to day operation?

27. What book did Descartes publish in 1637?
  28. What book did Descartes publish in 1641 that emphasized deduction, rational speculation, and internal reflection by the mind?
  29. What university did Galileo leave in 1610 for Florence?
  30. What concept did Galileo popularize and articulate of a universe subject to mathematical laws?
- Down**
2. What theory states that the earth and other planets in our solar system rotate around the sun?
  4. What system is the standard explanation of the earth and the heavens combined?
  5. Who was a gifted mathematician, who also invented analytic geometry?
  8. Who discovered the law of universal gravitation and the three laws of gravity?
  9. In 1609 Kepler published The New \_\_\_\_\_ and Galileo created the telescope?
  10. In 1543, Copernicus published "On the Revolution of the \_\_\_\_\_ Spheres."
  11. What is the belief that neither empirical or rational knowledge can be known with certainty?

13. During the 1600s Galileo Galilei published the Starry Messenger and Letters on \_\_\_\_\_?
14. What states that one must observe phenomena before attempting to explain them?
16. What is it called when a planet moves uniformly about a small circle?
18. Who was the father of empiricism, and of experimentation in science?
21. Who combined the Copernican system and the Ptolemaic system to get a more accurate model of planetary rotation?
24. Where is the University that Copernicus went to located at?
25. What is the branch of physics that deals with the actions of forces on bodies and with motion?
26. Who rejected the theory of an earth centered universe?

## Word Bank

Aristotle	Scientific revolution	Poland	Epicycle	Galileo
Geocentrism	Meditations	Heavenly	Newton	Deferent
Sunspots	Ptolemaic System	Padu	Copernican System	Mechanics
Philosophy	Bacon	Heliocentric	Descartes	Deism
Brahe	Discourse on Method	Almagest	Johannes Kepler	Kepler
Skepticism	Scholasticism	Copernicus	Astronomy	Empiricism