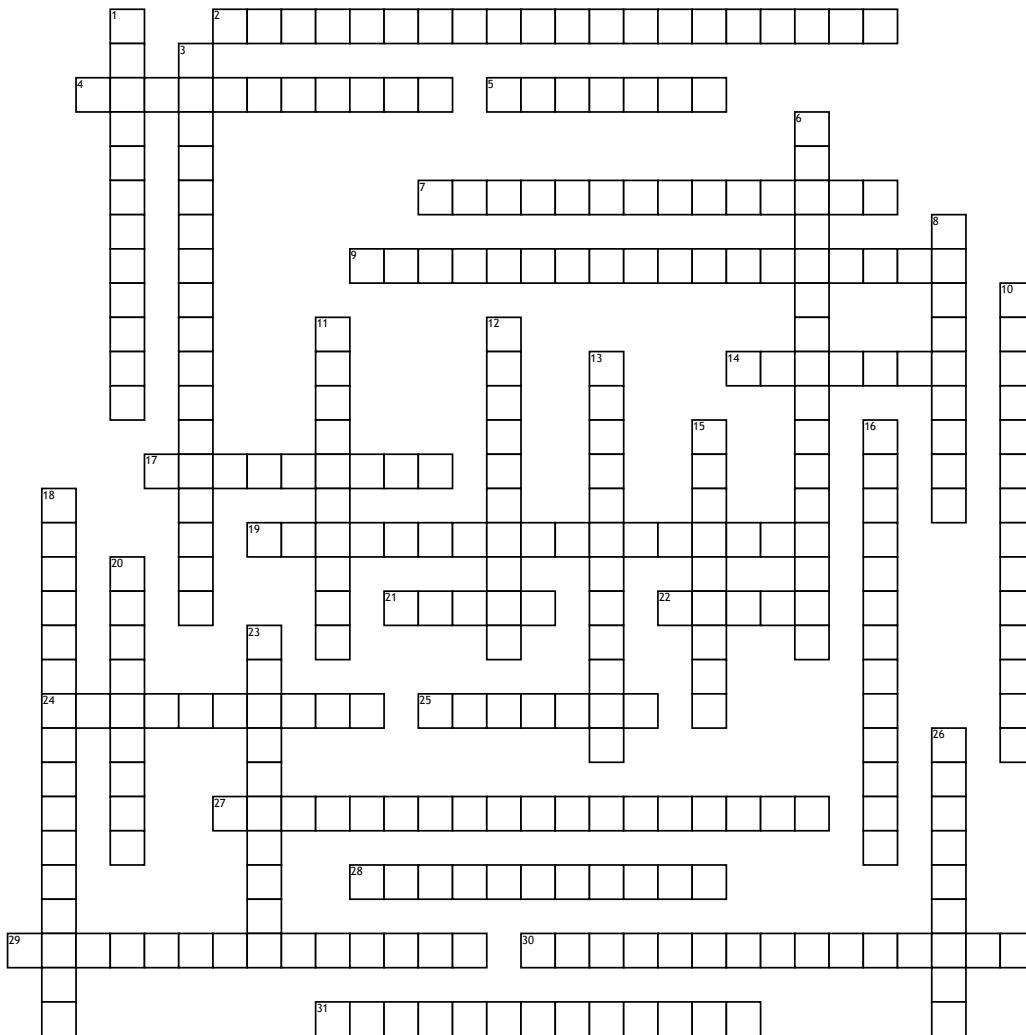


Scientific Revolution

**Across**

2. Newton's book, 1687
 4. reason alone is a source of knowledge, independent from experience
 5. first and second-century Greek astronomer and geographer. He kept the Aristotelian cosmology while suggesting several adjustments to explain his observations and data. (Modified the Scholastic worldview)
 7. credited with discovering oxygen
 9. wrote On the Revolutions of the Heavenly Spheres
 14. first used the telescope to observe stars
 17. observations then ideas and principles
 19. died before challenging scholastic world view, father of heliocentric
 21. God created the world, but is like a clock maker and does not interfere
 22. held absolute authority before the scientific revolution
 24. Danish astronomer who combined the Ptolemaic system to get a more accurate model of planetary rotation
 25. not only was he one of the most important people of the scientific revolution, he was also inventor of the Pendulum clock

27. Earth and other planets rotate around the sun
 28. established that air has weight
 29. used Brahe's data to invent a new model (elliptical orbits)
 30. considered father of modern anatomy, Flemish surgeon
 31. the system of theological and philosophical teaching predominant in the Middle Ages based chiefly upon the authority the church fathers and the work of Aristotle
Down
 1. observations first, assumptions can mislead you
 3. first astronomer to base his model of the solar system around the heliocentric theory, his work was popularized by Galileo
 6. first to identify that oxygen is needed for combustion, wrote the first list of elements
 8. the field that scientific revolution started in
 10. did not approve of the scientific revolution
 11. no knowledge can be known with certainty. Doubt everything
 12. knowledge comes from experience
 13. "Cogito Ergo Sum = I think. Therefore I am." Claimed that all empirical knowledge was flawed, as senses can be tampered with. We do know, however, that we are thinking. Therefore, we know we exist. All other knowledge my following rationally from this conclusion.
 15. the view shifted from a _____ science to a proven science
 16. discovered the circulation of blood
 18. the old belief that the earth was in the center of the solar system
 20. ideas and principles first, then ideas
 23. identified a psychological condition as a cause of illness
 26. branch of physics; actions of forces and motion

Word Bank

Skepticism	Deism	Francis Bacon	Geocentric Theory	Rationalism
Scholasticism	Catholic Church	Mechanics	Empiricism	Paracelsus
Galileo	Ptolemy	Galileo	Nicolas Copernicus	Antoine Lavoisier
Principia Mathematica	Deduction	Johannes Kepler	Astronomy	William Harvey
Religious	Bible	Nicolas Copernicus	Induction	Andreas Vesalius
Joseph Priestley	Heliocentric Theory	Tycho Brahe	Nicolaus Copernicus	Rene Descartes
Robert Boyle				