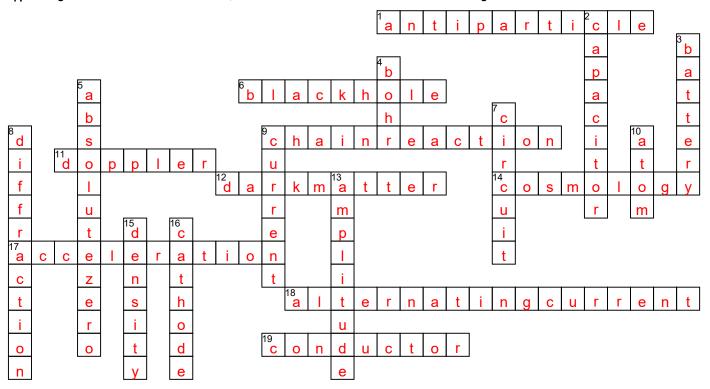
Physics Terms Crossword Puzzle 1-3

1 Using the Across and Down clues, write the correct answer in the numbered grid below.



ACROSS

- 1. A subatomic particle having the same mass as a given particle but opposite electric or magnetic properties.
- 6. A region of space having a gravitational field so intense that no matter or radiation can escape.
- 9. A reaction in which the products themselves spread the reaction.
- 11. Effect observed when the source of a wave moves relative to an observer.
- 12. A type of matter hypothesized to account for a large part of the total mass in the universe.
- 14. The science of the origin and development of the universe.
- 17. The rate of change of velocity per unit of time.
- 18. An electric current that reverses its direction periodically.
- 19. A material that allows the flow of electrical current.

DOWN

- 2. A device used to store an electric charge.
- 3. A device that stores chemical energy and converts it to electrical energy.
- 4. Scientist known for his model of the atom.
- 5. The lowest temperature possible, where no thermal energy remains in a substance.
- 7. A closed loop that allows current to flow.
- 8. The bending of waves around obstacles.
- 9. The flow of electric charge.
- 10. The basic unit of a chemical element.
- 13. The maximum extent of a vibration or displacement.
- 15. Mass per unit volume of a substance.
- 16. The negatively charged electrode.

diffraction antiparticle doppler

current cosmology circuit

Bohr acceleration battery

chain reaction amplitude density

capacitor cathode black hole

atom alternating current conductor

absolute zero dark matter