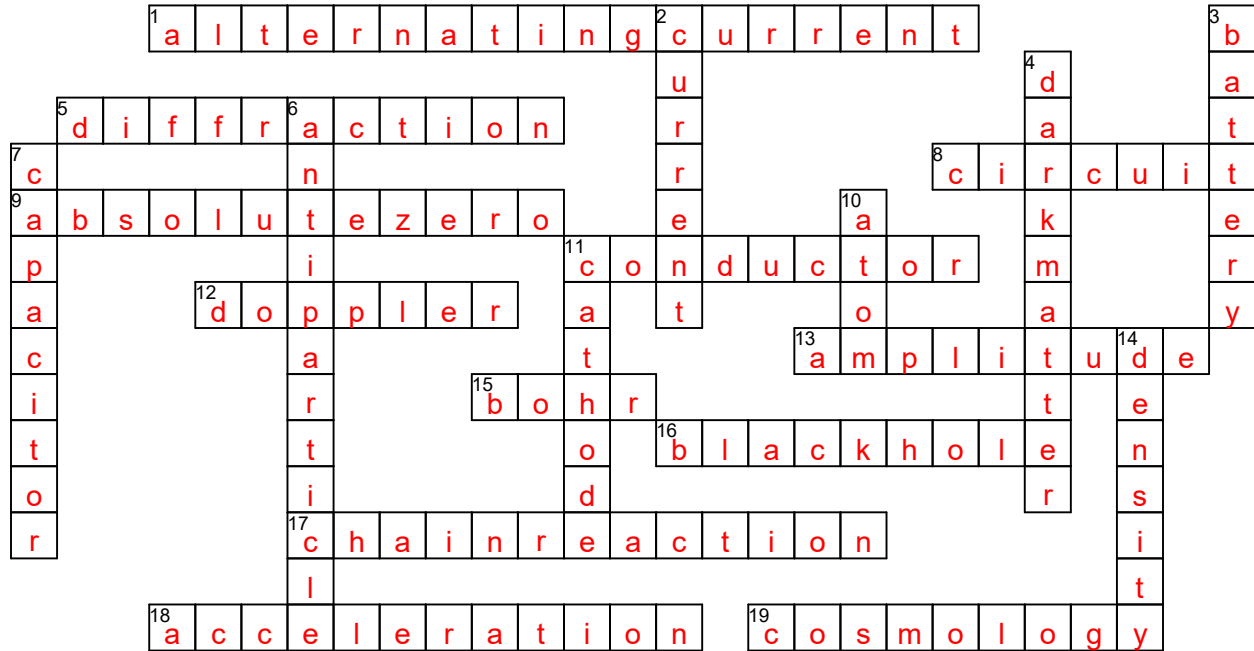


Physics Terms Crossword Puzzle 1-4

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



ACROSS

1. An electric current that reverses its direction periodically.
5. The bending of waves around obstacles.
8. A closed loop that allows current to flow.
9. The lowest temperature possible, where no thermal energy remains in a substance.
11. A material that allows the flow of electrical current.
12. Effect observed when the source of a wave moves relative to an observer.
13. The maximum extent of a vibration or displacement.
15. Scientist known for his model of the atom.
16. A region of space having a gravitational field so intense that no matter or radiation can escape.
17. A reaction in which the products themselves spread the reaction.
18. The rate of change of velocity per unit of time.
19. The science of the origin and development of the universe.

DOWN

2. The flow of electric charge.
3. A device that stores chemical energy and converts it to electrical energy.
4. A type of matter hypothesized to account for a large part of the total mass in the universe.
6. A subatomic particle having the same mass as a given particle but opposite electric or magnetic properties.
7. A device used to store an electric charge.
10. The basic unit of a chemical element.
11. The negatively charged electrode.
14. Mass per unit volume of a substance.

conductor

chain reaction

Bohr

atom

capacitor

circuit

battery

acceleration

cosmology

amplitude

alternating current

current

black hole

doppler

cathode

density

diffraction

absolute zero

dark matter

antiparticle