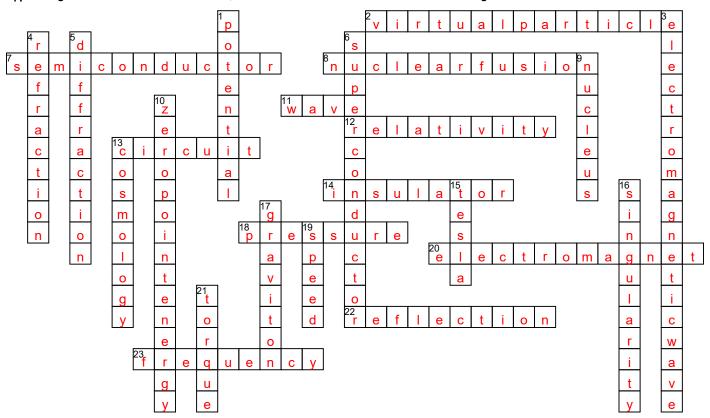
Physics Terms Review Crossword Puzzle 5

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



ACROSS

- 2. A particle that exists for a limited time during interactions between real particles.
- 7. A material that has a conductivity between that of an insulator and that of most metals.
- 8. The process of combining nuclei to form a heavier nucleus.
- 11. A disturbance that travels through a medium.
- 12. The theory developed by Einstein explaining the relationships between space, time, and gravity.
- 13. A closed loop that allows current to flow.
- 14. A material that does not allow the flow of electric current.
- 18. The force exerted per unit area.
- 20. A type of magnet in which the magnetic field is produced by an electric current.
- 22. The return of light or sound waves from a surface.
- 23. The number of cycles per unit time.

DOWN

- 1. The energy possessed by a body due to its position.
- 3. A wave of electric and magnetic fields that propagates through space.
- 4. The bending of a wave when it enters a medium where its speed is different.
- 5. The bending of waves around obstacles.
- 6. A material that can conduct electricity without resistance.
- 9. The central part of an atom.
- 10. The lowest possible energy that a quantum mechanical system may have.
- 13. The science of the origin and development of the universe.
- 15. The unit of magnetic flux density.
- 16. A point in space-time where density becomes infinite.
- 17. A hypothetical quantum of gravitational energy.
- The rate at which someone or something moves
- 21. A twisting force that tends to cause rotation.

superconductor reflection singularity

electromagnet cosmology graviton

virtual particle circuit tesla

electromagnetic wave relativity pressure

frequency insulator zero-point energy

speed refraction diffraction

torque semiconductor potential

wave nuclear fusion nucleus