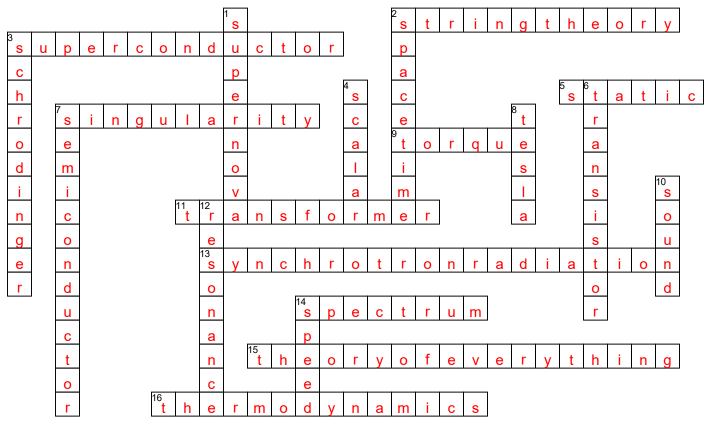
Physics Terms Crossword Puzzle 5-3

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



ACROSS

- 2. A theoretical framework in which particles are one-dimensional objects.
- 3. A material that can conduct electricity without resistance.
- 5. Having no motion.
- 7. A point in space-time where density becomes infinite.
- 9. A twisting force that tends to cause rotation.
- 11. A device that transfers electrical energy between two or more circuits.
- 13. Electromagnetic radiation emitted when charged particles are accelerated radially, often observed in particle accelerators.
- 14. The band of colors produced when sunlight is passed through a prism.
- 15. A hypothetical single, all-encompassing framework that fully explains and links together all physical aspects of the universe.
- 16. The branch of physical science that deals with the relations between heat and other forms of energy.

DOWN

- A powerful and luminous explosion of a star.
- 2. The four-dimensional continuum of space and time in which events occur.
- 3. Scientist known for his contributions to quantum mechanics.
- 4. A quantity possessing only magnitude.
- 6. A semiconductor device used to amplify or switch electronic signals.
- 7. A material that has a conductivity between that of an insulator and that of most metals.
- 8. The unit of magnetic flux density.
- 10. Vibrations that travel through the air or another medium and can be heard.
- 12. The reinforcement or prolongation of sound by reflection or by the synchronous vibration of a neighboring object.
- 14. The rate at which someone or something moves.

superconductor tesla transformer

synchrotron radiation thermodynamics semiconductor

supernova sound resonance

speed space-time Schrodinger

theory of everything singularity transistor

scalar string theory static

spectrum torque