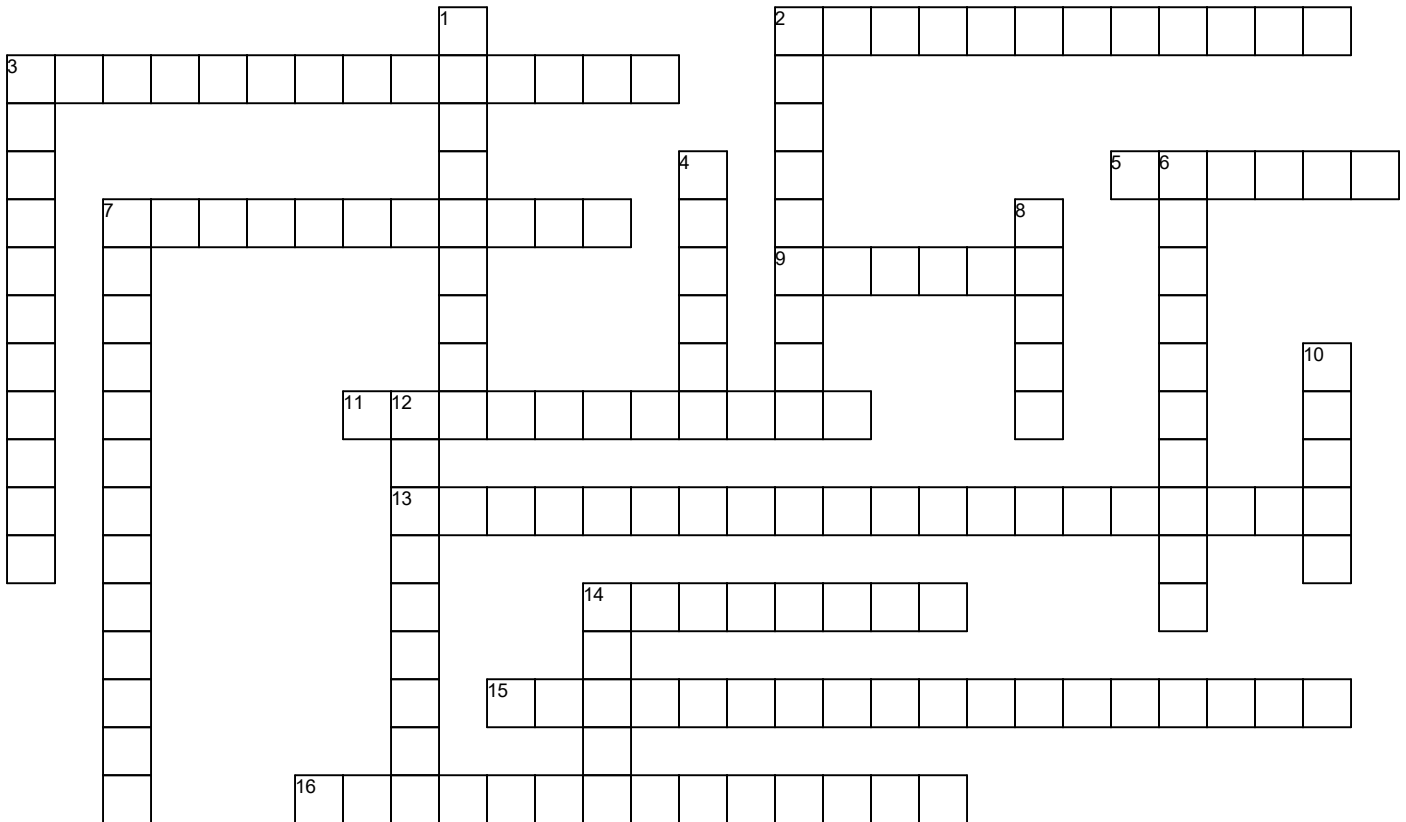


Physics Terms Crossword Puzzle 5-3

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

1. 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