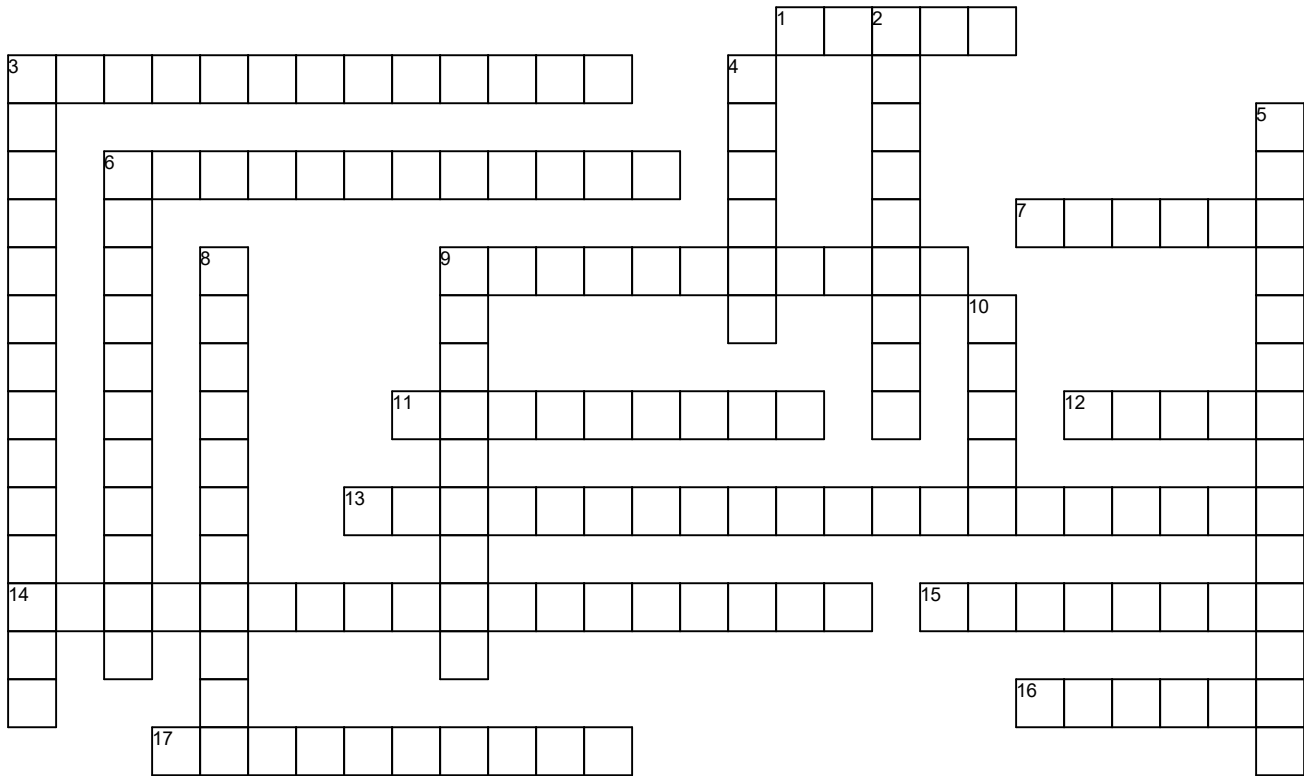


Physics Terms Crossword Puzzle 5-4

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



ACROSS

1. The unit of magnetic flux density.
3. A material that has a conductivity between that of an insulator and that of most metals.
6. A theoretical framework in which particles are one-dimensional objects.
7. A twisting force that tends to cause rotation.
9. A point in space-time where density becomes infinite.
11. The reinforcement or prolongation of sound by reflection or by the synchronous vibration of a neighboring object.
12. Vibrations that travel through the air or another medium and can be heard.
13. Electromagnetic radiation emitted when charged particles are accelerated radially, often observed in particle accelerators.
14. A hypothetical single, all-encompassing framework that fully explains and links together all physical aspects of the universe.
15. The band of colors produced when sunlight is passed through a prism.
16. Having no motion.
17. A semiconductor device used to amplify or switch electronic signals.

DOWN

2. The four-dimensional continuum of space and time in which events occur.
3. A material that can conduct electricity without resistance.
4. A quantity possessing only magnitude.
5. The branch of physical science that deals with the relations between heat and other forms of energy.
6. Scientist known for his contributions to quantum mechanics.
8. A device that transfers electrical energy between two or more circuits.
9. A powerful and luminous explosion of a star.
10. The rate at which someone or something moves.

string theory

Schrodinger

spectrum

semiconductor

space-time

singularity

static

transistor

thermodynamics

tesla

superconductor

torque

theory of everything

supernova

speed

sound

resonance

transformer

synchrotron radiation

scalar