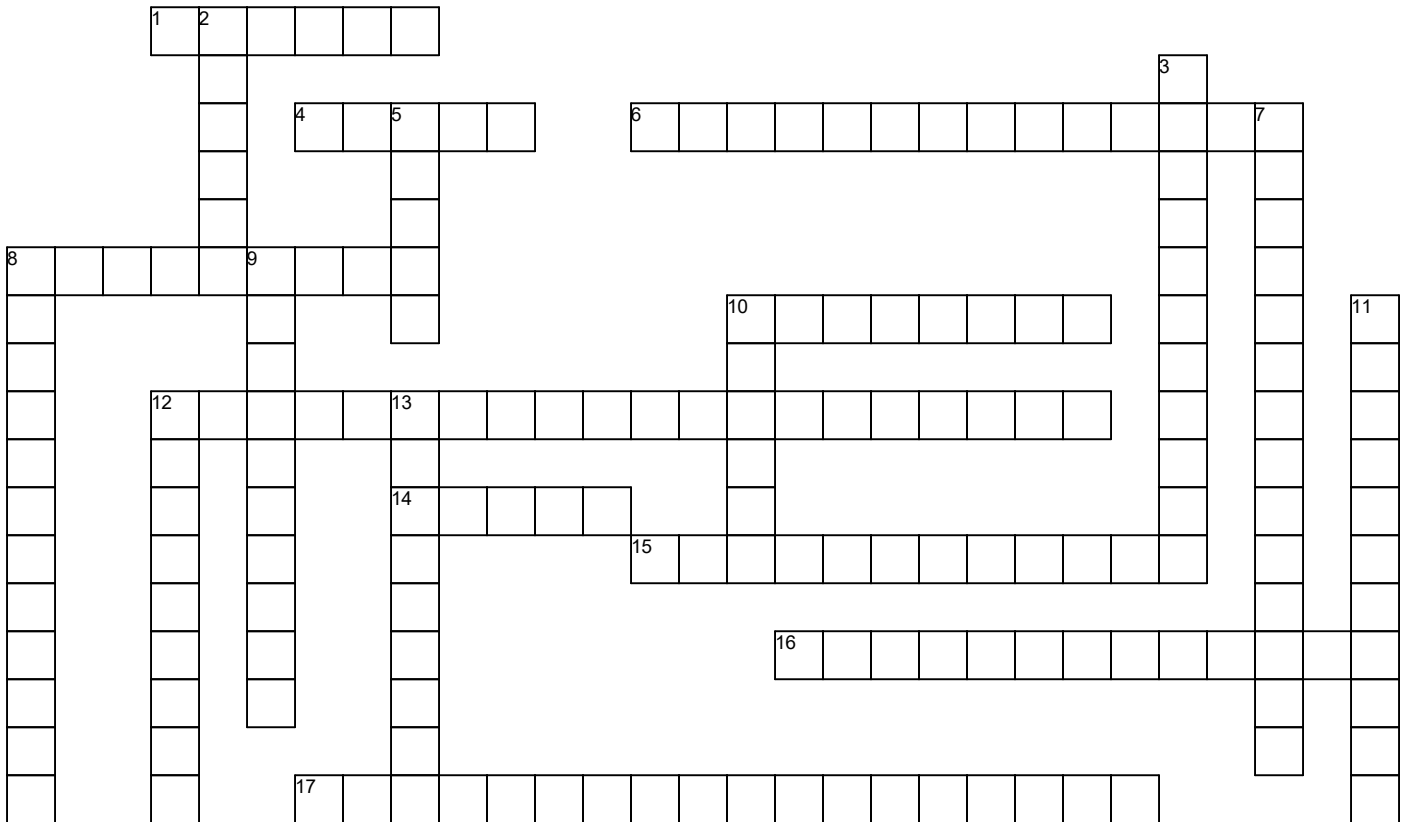


# Physics Terms Crossword Puzzle 5-1

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



## ACROSS

1. Having no motion.
4. The unit of magnetic flux density.
6. The branch of physical science that deals with the relations between heat and other forms of energy.
8. The four-dimensional continuum of space and time in which events occur.
10. The band of colors produced when sunlight is passed through a prism.
12. Electromagnetic radiation emitted when charged particles are accelerated radially, often observed in particle accelerators.
14. Vibrations that travel through the air or another medium and can be heard.
15. A theoretical framework in which particles are one-dimensional objects.
16. A material that has a conductivity between that of an insulator and that of most metals.
17. A hypothetical single, all-encompassing framework that fully explains and links together all physical aspects of the universe.

## DOWN

2. A twisting force that tends to cause rotation.
3. A point in space-time where density becomes infinite.
5. The rate at which someone or something moves.
7. A material that can conduct electricity without resistance.
8. Scientist known for his contributions to quantum mechanics.
9. A semiconductor device used to amplify or switch electronic signals.
10. A quantity possessing only magnitude.
11. A device that transfers electrical energy between two or more circuits.
12. A powerful and luminous explosion of a star.
13. The reinforcement or prolongation of sound by reflection or by the synchronous vibration of a neighboring object.

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torque

theory of everything

spectrum

scalar

Schrödinger

space-time

static

resonance

thermodynamics

semiconductor

sound

transistor

superconductor

tesla

transformer

supernova

string theory

speed

synchrotron radiation

singularity