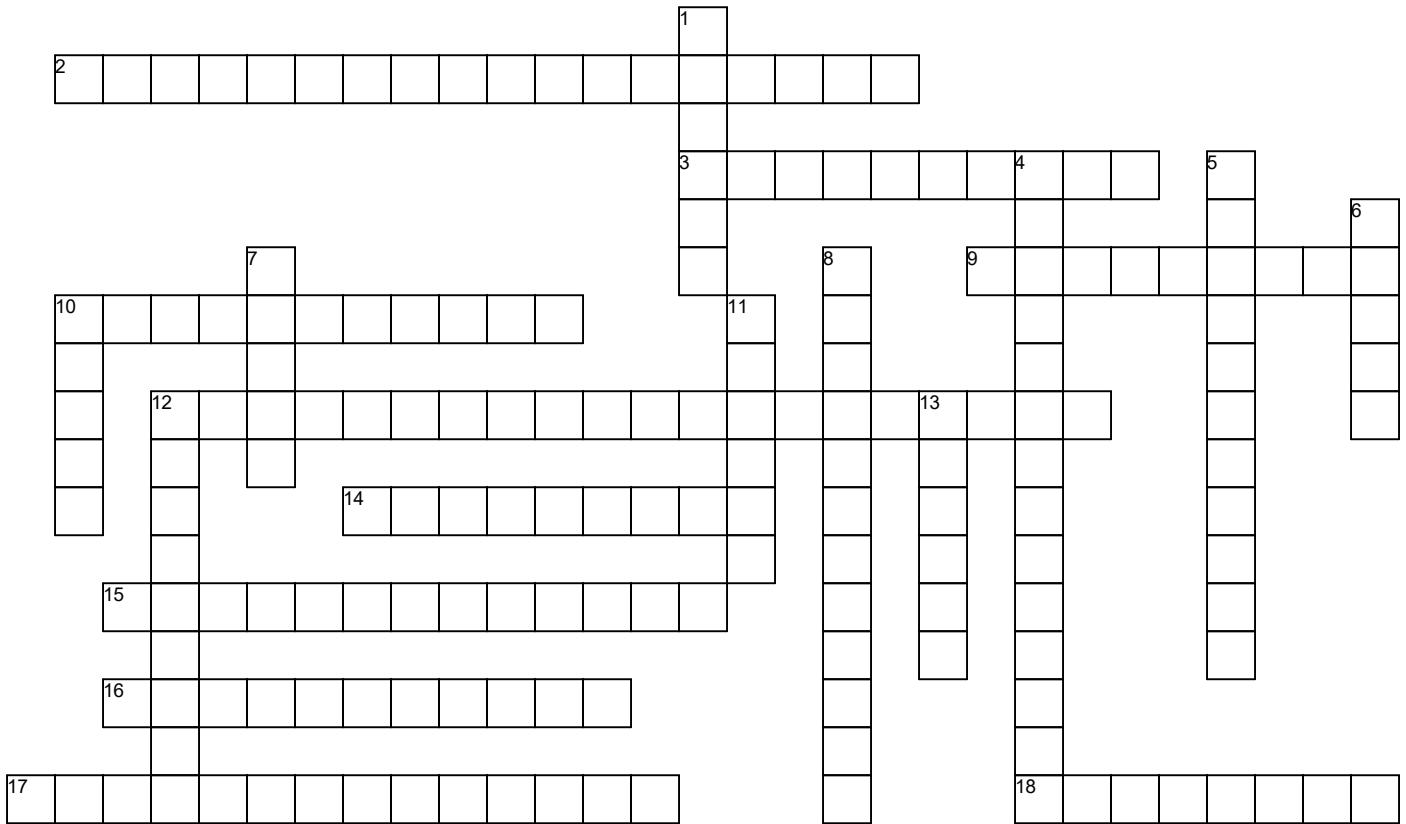


Physics Terms Crossword Puzzle 5-2

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



ACROSS

2. A hypothetical single, all-encompassing framework that fully explains and links together all physical aspects of the universe.
3. A semiconductor device used to amplify or switch electronic signals.
9. The reinforcement or prolongation of sound by reflection or by the synchronous vibration of a neighboring object.
10. Scientist known for his contributions to quantum mechanics.
12. Electromagnetic radiation emitted when charged particles are accelerated radially, often observed in particle accelerators.
14. A powerful and luminous explosion of a star.
15. A material that has a conductivity between that of an insulator and that of most metals.
16. A point in space-time where density becomes infinite.
17. A material that can conduct electricity without resistance.
18. The band of colors produced when sunlight is passed through a prism.

DOWN

1. Having no motion.
4. The branch of physical science that deals with the relations between heat and other forms of energy.
5. A device that transfers electrical energy between two or more circuits.
6. The unit of magnetic flux density.
7. Vibrations that travel through the air or another medium and can be heard.
8. A theoretical framework in which particles are one-dimensional objects.
10. The rate at which someone or something moves.
11. A quantity possessing only magnitude.
12. The four-dimensional continuum of space and time in which events occur.
13. A twisting force that tends to cause rotation.

transformer

speed

theory of everything

semiconductor

string theory

transistor

spectrum

resonance

thermodynamics

sound

Schrodinger

torque

supernova

static

scalar

superconductor

singularity

tesla

space-time

synchrotron radiation