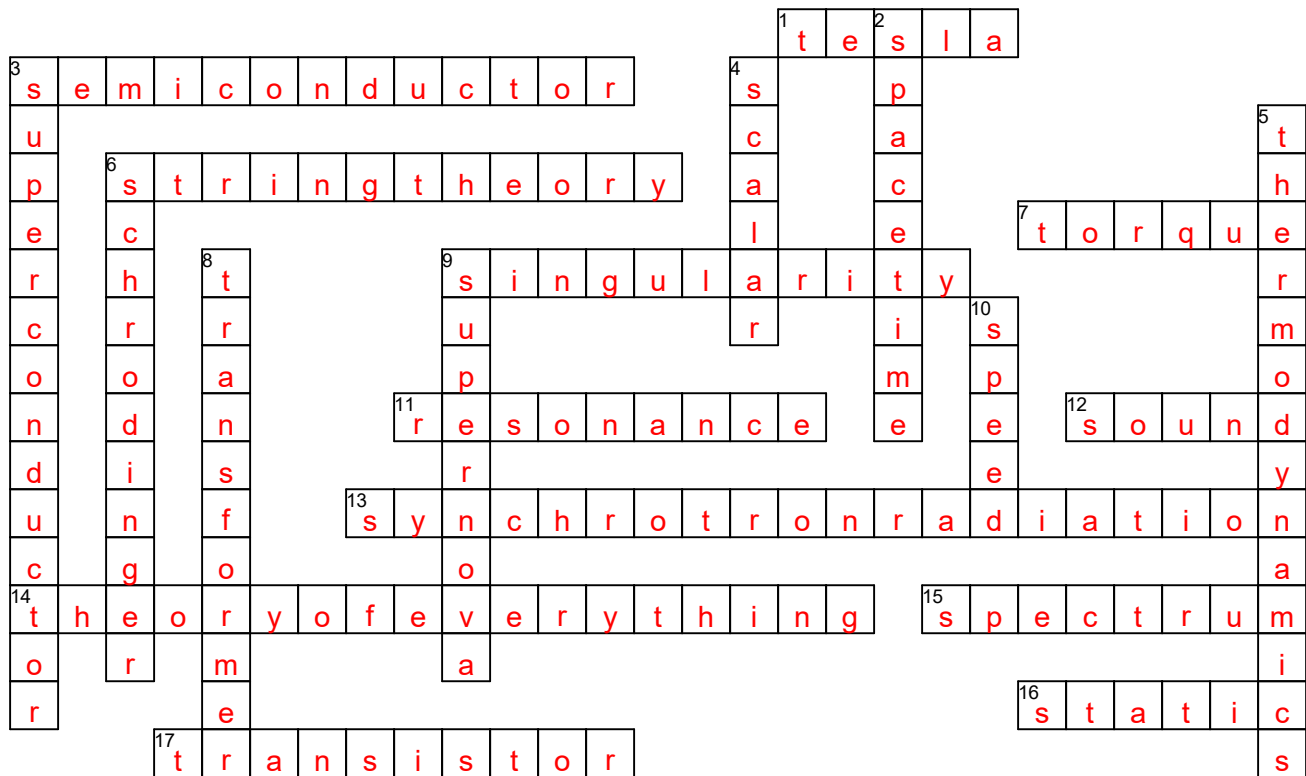


Physics Terms Crossword Puzzle 5-4

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



ACROSS

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

DOWN

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