

Physics Terms Study Sheet 5

1. resonance The reinforcement or prolongation of sound by reflection or by the synchronous vibration of a neighboring object.
2. scalar A quantity possessing only magnitude.
3. Schrodinger Scientist known for his contributions to quantum mechanics.
4. semiconductor A material that has a conductivity between that of an insulator and that of most metals.
5. singularity A point in space-time where density becomes infinite.
6. sound Vibrations that travel through the air or another medium and can be heard.
7. space-time The four-dimensional continuum of space and time in which events occur.
8. spectrum The band of colors produced when sunlight is passed through a prism.
9. speed The rate at which someone or something moves.
10. static Having no motion.
11. string theory A theoretical framework in which particles are one-dimensional objects.
12. superconductor A material that can conduct electricity without resistance.
13. supernova A powerful and luminous explosion of a star.
14. synchrotron radiation Electromagnetic radiation emitted when charged particles are accelerated radially, often observed in particle accelerators.
15. tesla The unit of magnetic flux density.
16. thermodynamics The branch of physical science that deals with the relations between heat and other forms of energy.
17. theory of everything A hypothetical single, all-encompassing framework that fully explains and links together all physical aspects of the universe.
18. torque A twisting force that tends to cause rotation.
19. transformer A device that transfers electrical energy between two or more circuits.
20. transistor A semiconductor device used to amplify or switch electronic signals.