

Physics Terms Study Sheet 3

1. inertia The resistance of any physical object to any change in its velocity.
2. insulator A material that does not allow the flow of electric current.
3. isotope Atoms of the same element with different numbers of neutrons.
4. joule The unit of work or energy in the International System of Units.
5. Kelvin The base unit of temperature in the International System of Units.
6. Kepler Scientist known for his laws of planetary motion.
7. kinetic Relating to or resulting from motion.
8. laser A device that emits light through a process of optical amplification.
9. laser beam A narrow, focused beam of light produced by a laser.
10. light Electromagnetic radiation that can be perceived by the human eye.
11. magnet An object that produces a magnetic field.
12. mass The quantity of matter in a body.
13. mechanics The branch of physics dealing with motion and forces.
14. momentum The product of the mass and velocity of an object.
15. neutron A subatomic particle with no electric charge.
16. Newton Scientist who formulated the laws of motion.
17. nuclear fission The process of splitting a nucleus into smaller parts.
18. nuclear fusion The process of combining nuclei to form a heavier nucleus.
19. nucleus The central part of an atom.
20. optics The study of light and its interactions with matter.