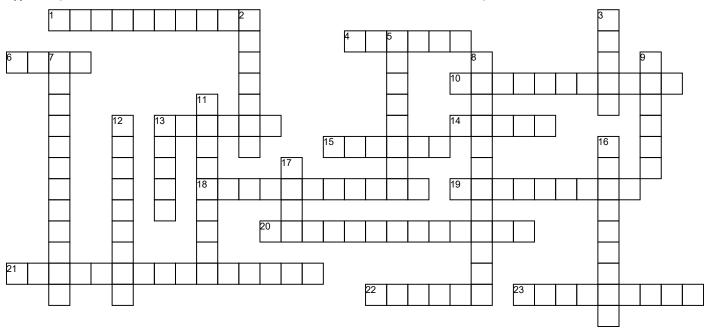
## Physics Terms Review Crossword Puzzle 4

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



## **ACROSS**

- 1. The bending of a wave when it enters a medium where its speed is different.
- 4. Scientist known for his laws of planetary motion.
- 6. The quantity of matter in a body.
- 10. Scientist known for his contributions to quantum mechanics.
- 13. A particle representing a quantum of light.
- 14. The unit of frequency, equal to one cycle per second.
- 15. A space devoid of matter.
- 18. Electromagnetic radiation with a wavelength shorter than that of visible light.
- 19. The number of cycles per unit time.
- 20. A material that has a conductivity between that of an insulator and that of most metals.
- 21. A particle that exists for a limited time during interactions between real particles.
- 22. The base unit of temperature in the International System of Units.
- 23. A device used to store an electric charge.

## DOWN

- 2. A subatomic particle with no electric charge.
- 3. Vibrations that travel through the air or another medium and can be heard.
- 5. The force exerted per unit area.
- 7. A theoretical framework in which particles are one-dimensional objects.
- 8. The rate of change of velocity per unit of time.
- 9. Scientist who formulated the laws of motion.
- 11. A material that allows the flow of electrical current.
- 12. A narrow, focused beam of light produced by a laser.
- 13. The rate at which work is done.
- 16. The branch of physics dealing with motion and forces.
- 17. A disturbance that travels through a medium.

Schrodinger mass pressure

neutron capacitor conductor

frequency laser beam ultraviolet

sound photon string theory

vacuum virtual particle Kelvin

wave Kepler power

mechanics Newton refraction

acceleration semiconductor Hertz