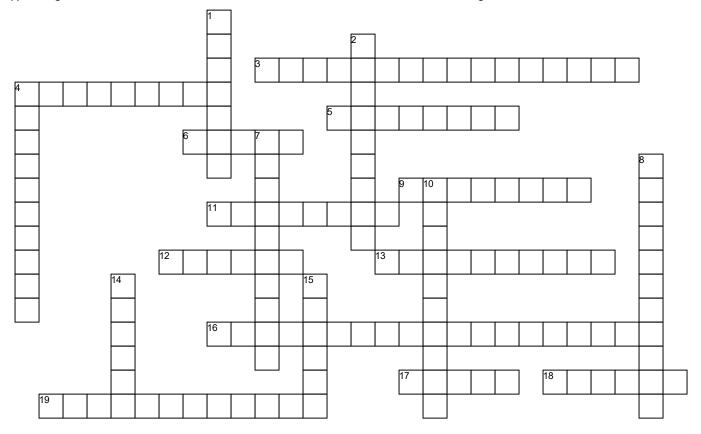
Physics Terms Crossword Puzzle 4-2

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



ACROSS

- 3. The process by which an unstable atomic nucleus loses energy.
- 4. The emission of energy as electromagnetic waves.
- 5. The phenomenon where the wavelength of light is stretched.
- 6. A type of elementary particle and a fundamental constituent of matter.
- 9. The force exerted per unit area.
- The apparent displacement of an object because of a change in the observer's point of view.
- 12. Scientist known for his quantum theory.
- The theory developed by Einstein explaining the relationships between space, time, and gravity.
- 16. The emission of electrons when light shines on a material.
- 17. The rate at which work is done.
- 18. A particle representing a quantum of light.
- 19. The orientation of the oscillations in a wave.

DOWN

- 1. The minimum amount of any physical entity involved in an interaction.
- 2. The energy possessed by a body due to its position.
- 4. The opposition to the flow of electric current.
- 7. The bending of a wave when it enters a medium where its speed is different.
- 8. Movement back and forth at a regular speed.
- 10. The return of light or sound waves from a surface.
- 14. The fourth state of matter, consisting of ionized gas.
- 15. A subatomic particle with a positive charge.

resistance pressure quantum

power photon polarization

radiation oscillation refraction

relativity plasma proton

Planck parallax quark

photoelectric effect reflection radioactive decay

redshift potential