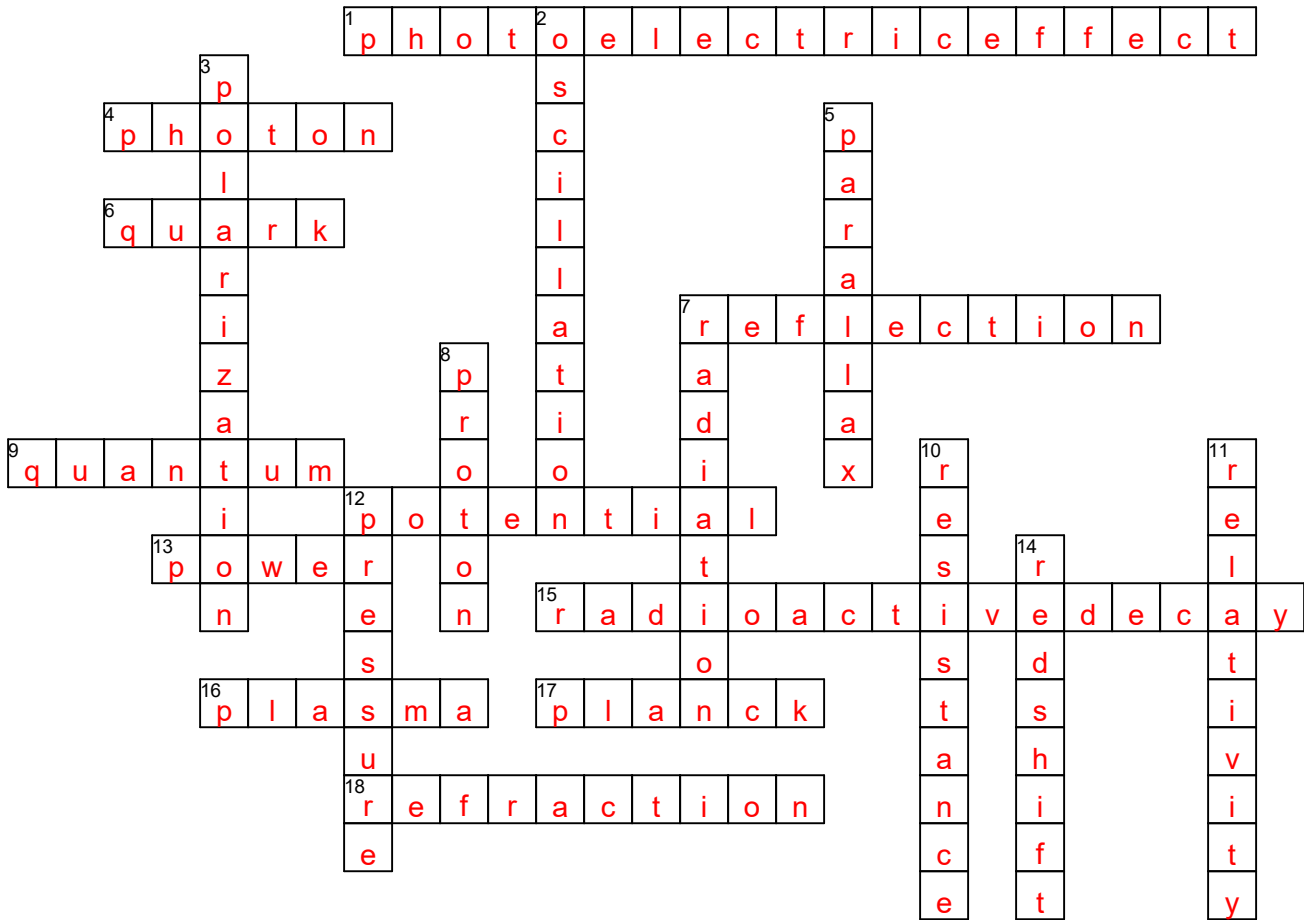


# Physics Terms Crossword Puzzle 4-3

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



## ACROSS

1. The emission of electrons when light shines on a material.
4. A particle representing a quantum of light.
6. A type of elementary particle and a fundamental constituent of matter.
7. The return of light or sound waves from a surface.
9. The minimum amount of any physical entity involved in an interaction.
12. The energy possessed by a body due to its position.
13. The rate at which work is done.
15. The process by which an unstable atomic nucleus loses energy.
16. The fourth state of matter, consisting of ionized gas.
17. Scientist known for his quantum theory.

## DOWN

2. Movement back and forth at a regular speed.
3. The orientation of the oscillations in a wave.
5. The apparent displacement of an object because of a change in the observer's point of view.
7. The emission of energy as electromagnetic waves.
8. A subatomic particle with a positive charge.
10. The opposition to the flow of electric current.
11. The theory developed by Einstein explaining the relationships between space, time, and gravity.
12. The force exerted per unit area.
14. The phenomenon where the wavelength of light is stretched.

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quantum

radioactive decay

redshift

parallax

power

resistance

photon

potential

oscillation

Planck

proton

photoelectric effect

polarization

pressure

refraction

reflection

relativity

quark

plasma

radiation