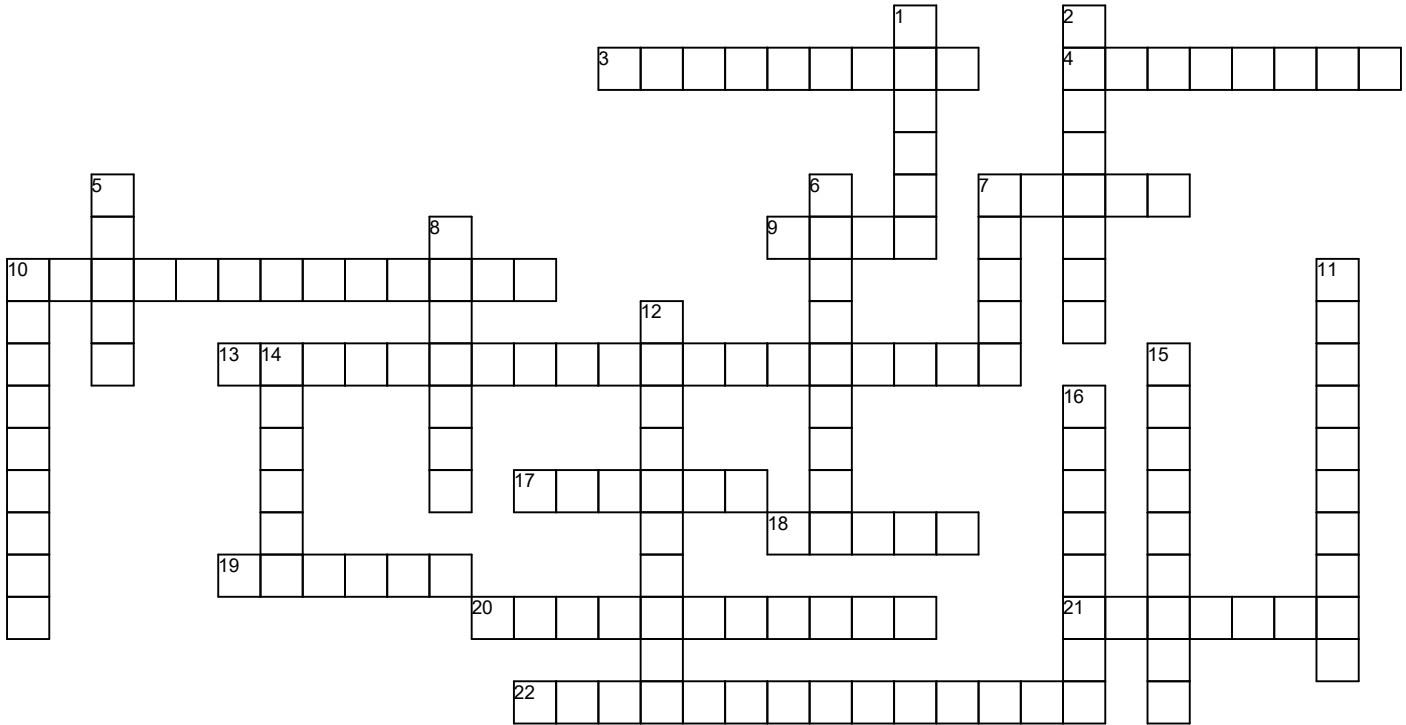


# Physics Terms Review Crossword Puzzle 8

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



## ACROSS

3. The energy possessed by a body due to its position.
4. The phenomenon where the wavelength of light is stretched.
7. A device that emits light through a process of optical amplification.
8. Relating to or resulting from motion.
10. A reaction in which the products themselves spread the reaction.
13. The emission of electrons when light shines on a material.
17. A particle that mediates the weak nuclear force.
18. The unit of frequency, equal to one cycle per second.
19. Scientist known for his laws of planetary motion.
20. The set of physical phenomena associated with the presence and motion of electric charge.
21. Atoms of the same element with different numbers of neutrons.
22. The branch of physical science that deals with the relations between heat and other forms of energy.

## DOWN

1. An object that produces a magnetic field.
2. The force exerted per unit area.
5. A type of elementary particle and a fundamental constituent of matter.
6. One of the four fundamental forces of nature, responsible for radioactive decay.
7. Electromagnetic radiation that can be perceived by the human eye.
9. The transfer of thermal energy.
11. A type of matter hypothesized to account for a large part of the total mass in the universe.
12. A semiconductor device used to amplify or switch electronic signals.
14. Scientist known for his discovery of the expansion of the universe.
15. A powerful and luminous explosion of a star.
16. The study of the forces and motion of objects.

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chain reaction

isotope

light

laser

thermodynamics

potential

transistor

Hertz

z boson

weak force

pressure

kinetic

Kepler

Hubble

dynamics

quark

magnet

dark matter

redshift

conductor

supernova

photoelectric effect

heat

electricity