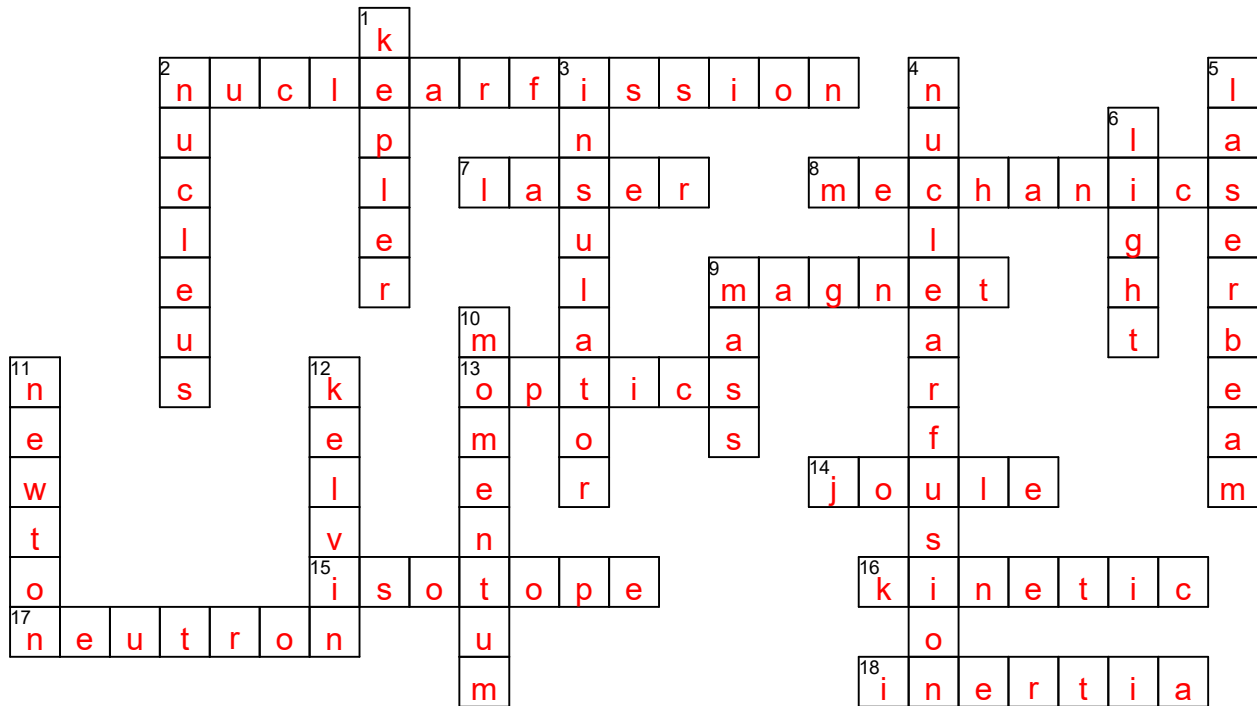


# Physics Terms Crossword Puzzle 3-4

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



## ACROSS

2. The process of splitting a nucleus into smaller parts.
7. A device that emits light through a process of optical amplification.
8. The branch of physics dealing with motion and forces.
9. An object that produces a magnetic field.
13. The study of light and its interactions with matter.
14. The unit of work or energy in the International System of Units.
15. Atoms of the same element with different numbers of neutrons.
16. Relating to or resulting from motion.
17. A subatomic particle with no electric charge.
18. The resistance of any physical object to any change in its velocity.

## DOWN

1. Scientist known for his laws of planetary motion.
2. The central part of an atom.
3. A material that does not allow the flow of electric current.
4. The process of combining nuclei to form a heavier nucleus.
5. A narrow, focused beam of light produced by a laser.
6. Electromagnetic radiation that can be perceived by the human eye.
9. The quantity of matter in a body.
10. The product of the mass and velocity of an object.
11. Scientist who formulated the laws of motion.
12. The base unit of temperature in the International System of Units.

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isotope

joule

light

mass

momentum

laser beam

laser

nucleus

Kepler

neutron

Newton

nuclear fission

nuclear fusion

inertia

magnet

kinetic

mechanics

Kelvin

optics

insulator