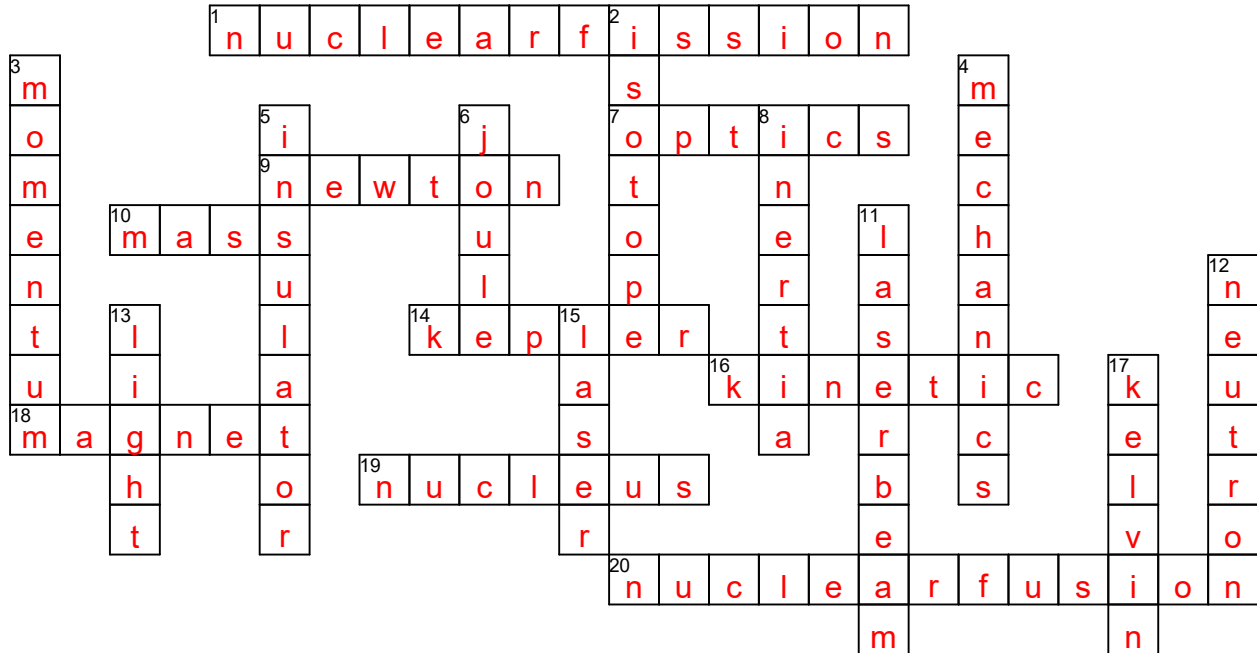


Physics Terms Crossword Puzzle 3-1

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



ACROSS

1. The process of splitting a nucleus into smaller parts.
7. The study of light and its interactions with matter.
9. Scientist who formulated the laws of motion.
10. The quantity of matter in a body.
14. Scientist known for his laws of planetary motion.
16. Relating to or resulting from motion.
18. An object that produces a magnetic field.
19. The central part of an atom.
20. The process of combining nuclei to form a heavier nucleus.

DOWN

2. Atoms of the same element with different numbers of neutrons.
3. The product of the mass and velocity of an object.
4. The branch of physics dealing with motion and forces.
5. A material that does not allow the flow of electric current.
6. The unit of work or energy in the International System of Units.
8. The resistance of any physical object to any change in its velocity.
11. A narrow, focused beam of light produced by a laser.
12. A subatomic particle with no electric charge.
13. Electromagnetic radiation that can be perceived by the human eye.
15. A device that emits light through a process of optical amplification.
17. The base unit of temperature in the International System of Units.

Kepler

optics

neutron

isotope

laser

kinetic

momentum

nuclear fission

inertia

Newton

mechanics

laser beam

insulator

light

nucleus

magnet

nuclear fusion

mass

joule

Kelvin