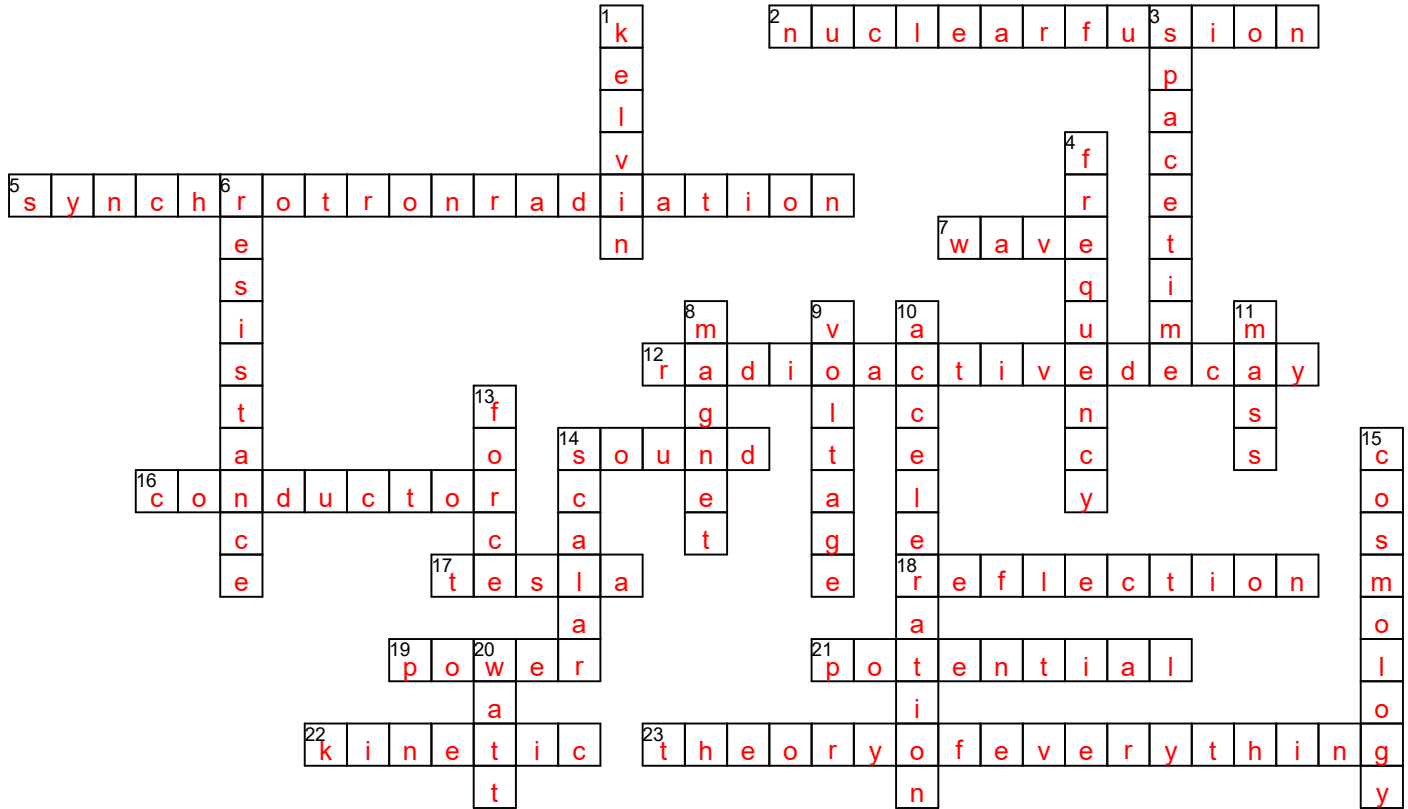


Physics Terms Review Crossword Puzzle 6

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



ACROSS

2. The process of combining nuclei to form a heavier nucleus.
5. Electromagnetic radiation emitted when charged particles are accelerated radially, often observed in particle accelerators.
7. A disturbance that travels through a medium.
12. The process by which an unstable atomic nucleus loses energy.
14. Vibrations that travel through the air or another medium and can be heard.
16. A material that allows the flow of electrical current.
17. The unit of magnetic flux density.
18. The return of light or sound waves from a surface.
19. The rate at which work is done.
21. The energy possessed by a body due to its position.
22. Relating to or resulting from motion.
23. A hypothetical single, all-encompassing framework that fully explains and links together all physical aspects of the universe.

DOWN

1. The base unit of temperature in the International System of Units.
3. The four-dimensional continuum of space and time in which events occur.
4. The number of cycles per unit time.
6. The opposition to the flow of electric current.
8. An object that produces a magnetic field.
9. The electric potential difference between two points.
10. The rate of change of velocity per unit of time.
11. The quantity of matter in a body.
13. An interaction that causes an object to change motion.
14. A quantity possessing only magnitude.
15. The science of the origin and development of the universe.
20. The unit of power in the International System of Units.

theory of everything

voltage

watt

frequency

kinetic

cosmology

force

conductor

wave

scalar

sound

potential

space-time

resistance

magnet

power

Kelvin

synchrotron radiation

acceleration

tesla

radioactive decay

nuclear fusion

reflection

mass