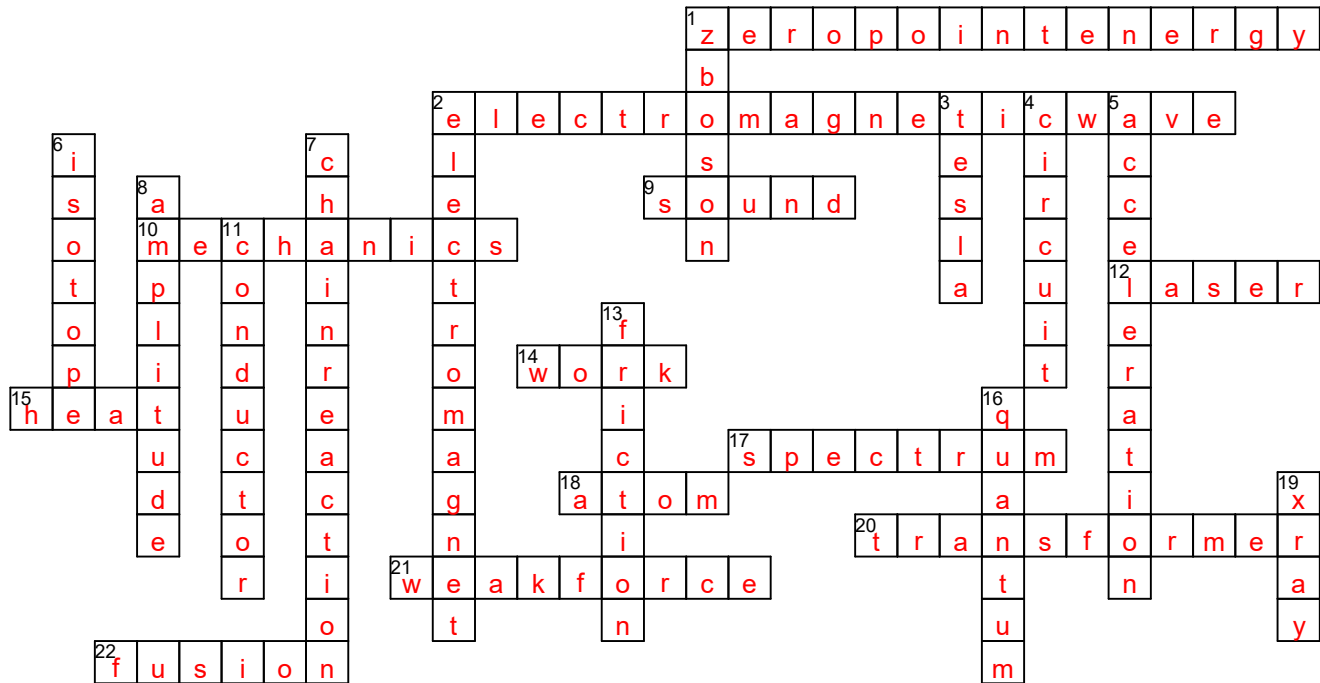


Physics Terms Review Crossword Puzzle 3

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



ACROSS

1. The lowest possible energy that a quantum mechanical system may have.
2. A wave of electric and magnetic fields that propagates through space.
9. Vibrations that travel through the air or another medium and can be heard.
10. The branch of physics dealing with motion and forces.
12. A device that emits light through a process of optical amplification.
14. The product of force and displacement.
15. The transfer of thermal energy.
17. The band of colors produced when sunlight is passed through a prism.
18. The basic unit of a chemical element.
20. A device that transfers electrical energy between two or more circuits.
21. One of the four fundamental forces of nature, responsible for radioactive decay.
22. The process of combining two nuclei to form a heavier nucleus.

DOWN

1. A particle that mediates the weak nuclear force.
2. A type of magnet in which the magnetic field is produced by an electric current.
3. The unit of magnetic flux density.
4. A closed loop that allows current to flow.
5. The rate of change of velocity per unit of time.
6. Atoms of the same element with different numbers of neutrons.
7. A reaction in which the products themselves spread the reaction.
8. The maximum extent of a vibration or displacement.
11. A material that allows the flow of electrical current.
13. The resistance to motion of one object moving relative to another.
16. The minimum amount of any physical entity involved in an interaction.
19. A form of electromagnetic radiation.

isotope

laser

work

spectrum

electromagnet

fusion

mechanics

conductor

amplitude

tesla

x-ray

transformer

z boson

electromagnetic wave

chain reaction

acceleration

quantum

heat

circuit

zero-point energy

sound

weak force

friction

atom