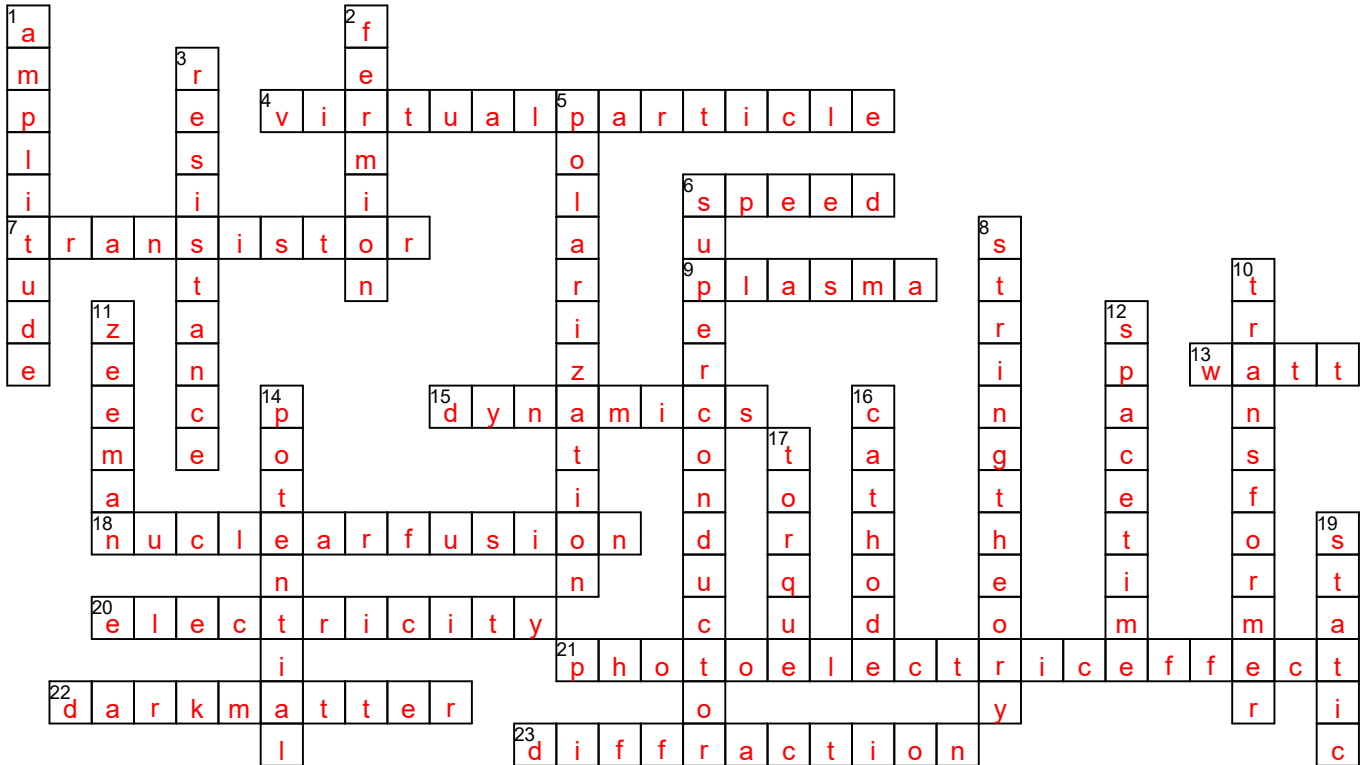


Physics Terms Review Crossword Puzzle 7

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



ACROSS

4. A particle that exists for a limited time during interactions between real particles.
6. The rate at which someone or something moves.
7. A semiconductor device used to amplify or switch electronic signals.
9. The fourth state of matter, consisting of ionized gas.
13. The unit of power in the International System of Units.
15. The study of the forces and motion of objects.
18. The process of combining nuclei to form a heavier nucleus.
20. The set of physical phenomena associated with the presence and motion of electric charge.
21. The emission of electrons when light shines on a material.
22. A type of matter hypothesized to account for a large part of the total mass in the universe.
23. The bending of waves around obstacles.

DOWN

1. The maximum extent of a vibration or displacement.
2. A particle, such as a proton or neutron, that follows Fermi-Dirac statistics.
3. The opposition to the flow of electric current.
5. The orientation of the oscillations in a wave.
6. A material that can conduct electricity without resistance.
8. A theoretical framework in which particles are one-dimensional objects.
10. A device that transfers electrical energy between two or more circuits.
11. Effect observed in the splitting of spectral lines in the presence of a magnetic field.
12. The four-dimensional continuum of space and time in which events occur.
14. The energy possessed by a body due to its position.
16. The negatively charged electrode.
17. A twisting force that tends to cause rotation.
19. Having no motion.

diffraction

transistor

watt

polarization

Zeeman

nuclear fusion

string theory

virtual particle

transformer

resistance

dynamics

static

torque

plasma

amplitude

speed

fermion

space-time

dark matter

potential

photoelectric effect

superconductor

cathode

electricity