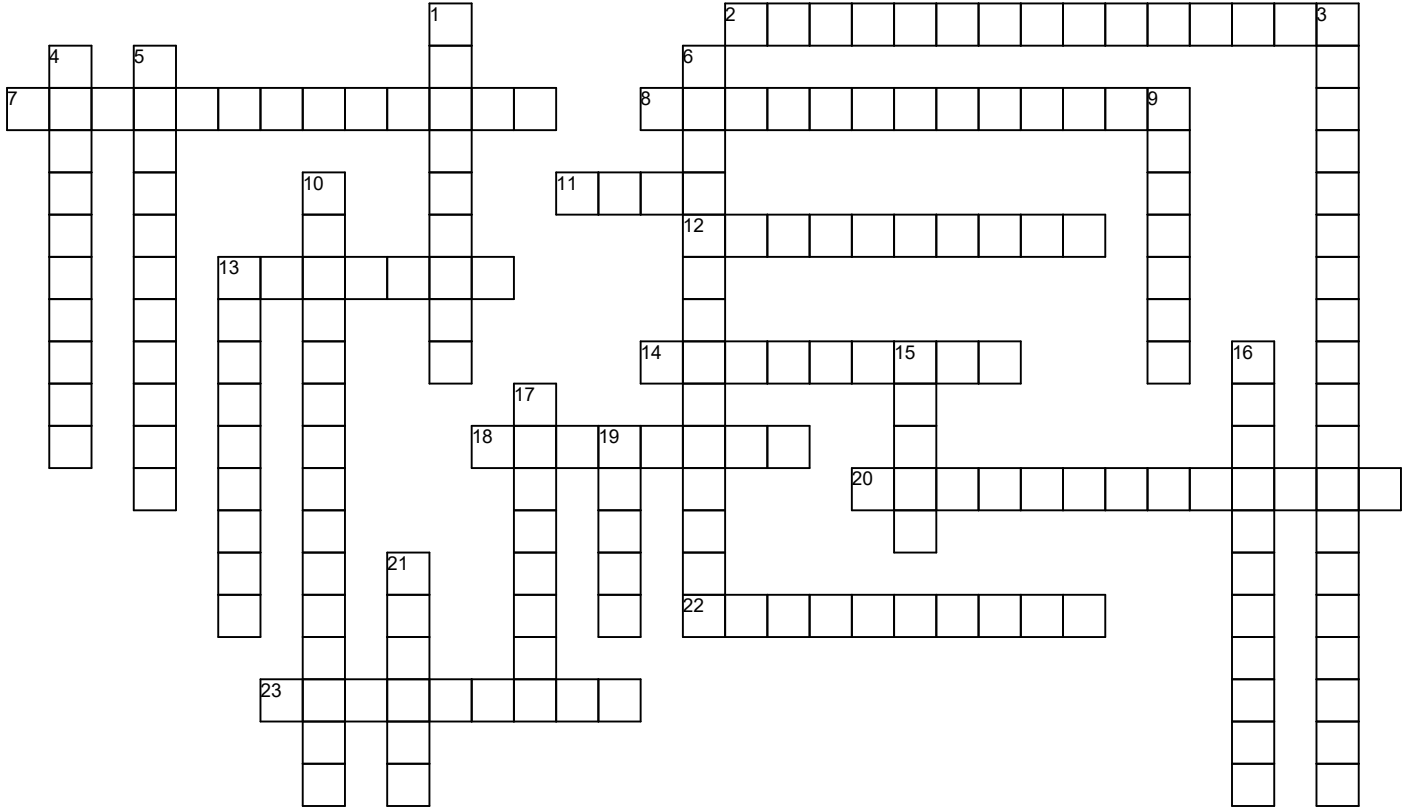


Physics Terms Review Crossword Puzzle 5

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



ACROSS

2. A particle that exists for a limited time during interactions between real particles.
7. A material that has a conductivity between that of an insulator and that of most metals.
8. The process of combining nuclei to form a heavier nucleus.
11. A disturbance that travels through a medium.
12. The theory developed by Einstein explaining the relationships between space, time, and gravity.
13. A closed loop that allows current to flow.
14. A material that does not allow the flow of electric current.
18. The force exerted per unit area.
20. A type of magnet in which the magnetic field is produced by an electric current.
22. The return of light or sound waves from a surface.
23. The number of cycles per unit time.

DOWN

1. The energy possessed by a body due to its position.
3. A wave of electric and magnetic fields that propagates through space.
4. The bending of a wave when it enters a medium where its speed is different.
5. The bending of waves around obstacles.
6. A material that can conduct electricity without resistance.
9. The central part of an atom.
10. The lowest possible energy that a quantum mechanical system may have.
13. The science of the origin and development of the universe.
15. The unit of magnetic flux density.
16. A point in space-time where density becomes infinite.
17. A hypothetical quantum of gravitational energy.
19. The rate at which someone or something moves.
21. A twisting force that tends to cause rotation.

superconductor

reflection

singularity

electromagnet

cosmology

graviton

virtual particle

circuit

tesla

electromagnetic wave

relativity

pressure

frequency

insulator

zero-point energy

speed

refraction

diffraction

torque

semiconductor

potential

wave

nuclear fusion

nucleus