

Adventures in the Subatomic Universe

Down

1. Each force carrier particle is a ____ (class of fundamental particle)
3. The amount of matter an object contains
4. The force of attraction between particles with mass
6. Quarks and leptons belong to this group of particles
8. The part of the atom that holds the neutrons and protons
9. Multiple atoms held together by chemical bonds make a _____
11. The counterpart of matter, particles with the same mass but opposite properties of matter
13. The flow of electric charge through matter
14. When energy travels in waves
16. Fuel made from organic matter

Across

2. Material that allows electrons to move freely between atoms
5. A particle made up of quarks and/or anti-quarks
7. Substances that cannot be broken down such as helium or oxygen
10. The stuff that everything is made of
12. The release of energy from electrons in the form of light particles
15. An atom with an electric charge
17. The type of Fermion that does not have color

