

Key Science Vocabulary ~ #1

Atomic mass unit ~ a unit of mass, μ , where μ is equal to $\frac{1}{12}$ the mass of $^{12}_6C$.

Atomic number ~ the number of protons in an atom's nucleus.

Electron cloud ~ the region in which there is a high probability of finding an electron.

Isotope ~ each of the differing forms of the same atom that have different masses, but the same atomic number.

Neutron ~ a particle inside the nucleus that has 0 electrical charge.

Nucleus ~ the tiny, massive, positively charged central core of an atom.

Proton ~ a particle inside the nucleus that has a positive electrical charge.

Quarks ~ tiny particles that make up protons and neutrons.