

Atoms

7th Grade

Three particles, where each sits, and what each one decides.

An atom is the smallest piece of an element that is still that element.

Particle	Charge	Where	Decides
Proton	positive	nucleus	which element it is
Neutron	none	nucleus	the isotope
Electron	negative	shells outside	how it reacts

Atomic number = protons. Mass number = protons + neutrons. Change the protons and it is a different element.