

Chemistry Basics

Chemistry: the study of the composition, structure, properties, and change of matter

Atoms: smallest unit of matter

2 Parts of An Atom

1. Nucleus = center of an atom, occupies a small space but has the majority of the mass in an atom

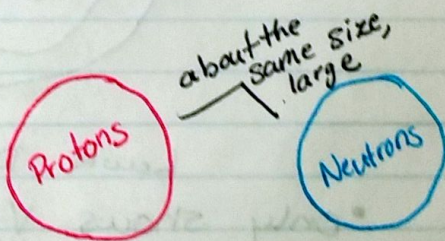
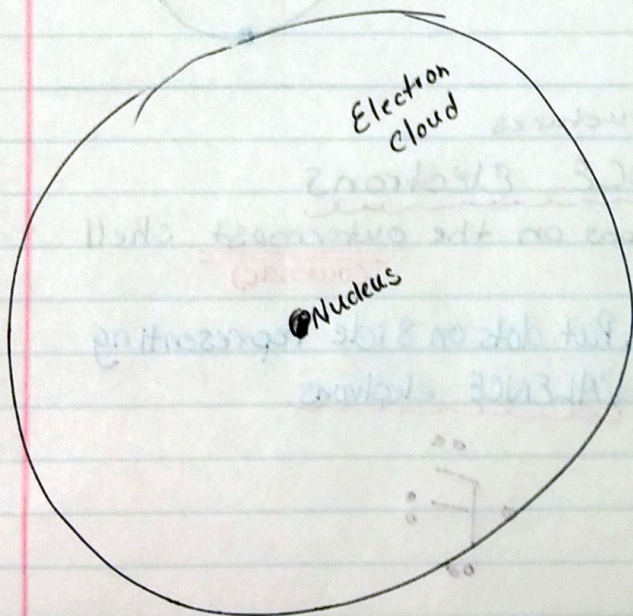
Contains:

- Protons = positively charged subatomic particles
- Neutrons = subatomic particles with no charge (neutral)

2. Electron Cloud = surrounds the nucleus, occupies most of the space but has very little mass (lots of empty space)

Contains:

- Electrons = negatively charged subatomic particles



• electrons
TINY, very small compared to Protons/Neutrons