Ch 2-1: The Nature of Matter

Essential Questions:

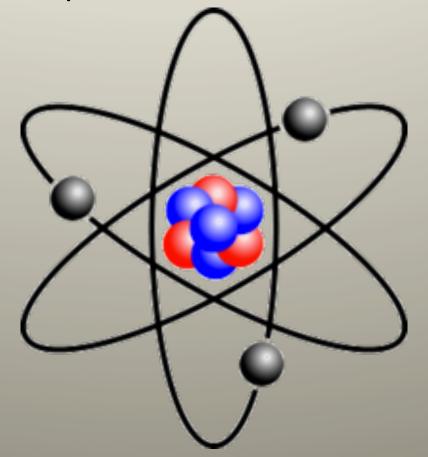
- What 3 subatomic particles make up the atom?
- What is an isotope?
- What are the 2 main types of chemical bonds?

• Atoms:

– Center of the atom is

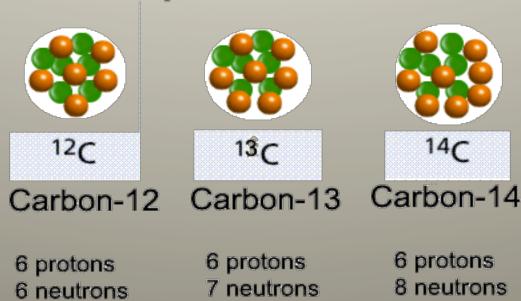
– In the nucleus: _____ & ____

Surrounding the protons & neutrons are

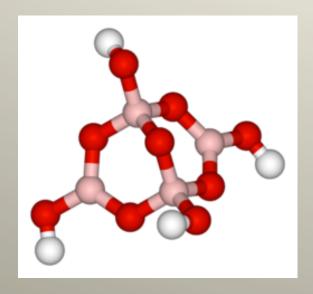


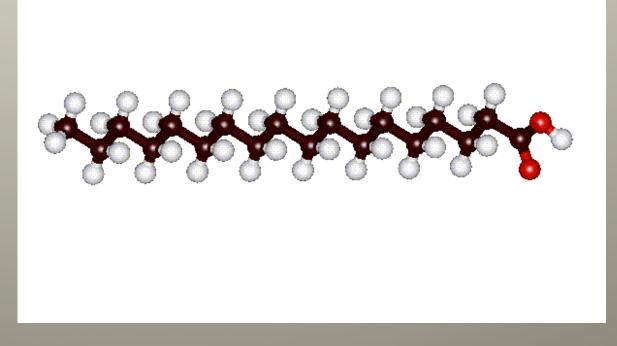
- Elements & Isotopes
 - Element: 1 type of atom
 - Isotope
 - different # of neutrons
 - Same # of electrons, so same chemical properties

Isotopes of Carbon

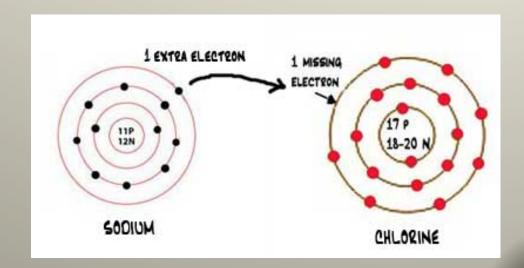


Chemical compounds





- Chemical Bonds
 - Ionic bonds
 - Covalent bonds



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Van der Waals forces



