

Chemistry Notes – Chapter 3

Definitions:

Atomic number:

Mass number:

Isotopes:

Isotopes are named for _____

Ex.

Ex.

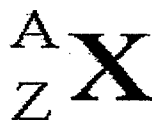
Ex.

Chemical symbols for isotopes (generic form)

X =

A =

Z =



Examples: Carbon-14

Oxygen with 10 neutrons

Atom with 11 protons and 12 neutrons

More Definitions

Ion:

Cation:

Anion:

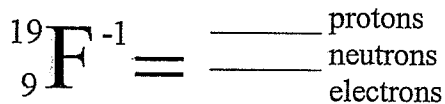
3 Equations: atomic # = _____

mass # = _____

charge = _____

Complete Chemical Symbol: includes _____

Ex. an atom with 19 protons, 20 neutrons,
and 18 electrons



Practice - PPT.

Name	Symbol	atomic #	# proton	# neutrons	# electrons	mass #	charge
oxygen				10	10		
	Br			44	36		
		19		20			+1
			28	30	26		
	Be					9	+2
		18			18	39	
Arsenic						75	-3

Complete chemical symbol for #1

complete chemical symbol for #2

complete chemical symbol for #3