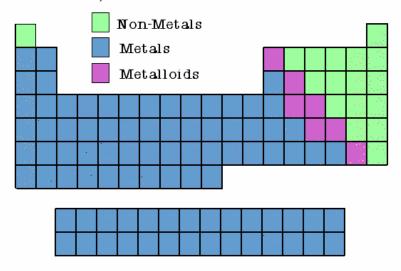
IONIC COMPOUNDS

The elements of the periodic table can be divided into three main categories: Metals, Non-Metals, and Metalloids.



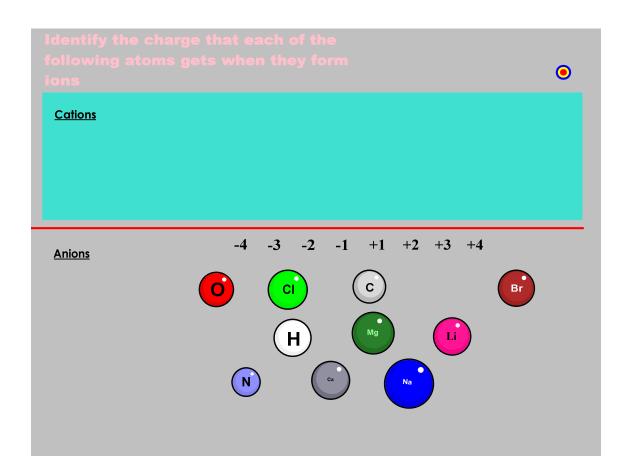
Reviewing metals and non-metals

Classify each element as a metal or a non-metal by dragging each element to the correct category.

Metal Non-metal



1							,	8
	2		3	4	5	6	7	
Li	Be		В	С	N	О	F	Ne
lose 1 e-	lose 2 e-		lose 3 e-		gain 3 e-	gain 2 e-	gain 1 e-	
+1	+2		+3		-3	-2	-1	
1		'			i			



Ionic Bonds Text Ref. 2.2 p 68-73

- •What is an <u>Ionic Bond</u>?
 - -An Ionic Bond is a chemical bond resulting from the TRANSFER of electrons from a metal to a nonmetal
- When an ionic bond forms
 - -The metal forms a cation (positive ion)
 - -The non metal forms an anion (negative ion).

Ionic Bonds

- •What holds an **Ionic Bond** together?
 - -electrostatic attraction
 - -opposite charged ions attract each other





Reviewing types of chemical bonds (Move each statement under the correct category.)

IONIC BONDS

COVALENT BONDS

Two non-metals combine

Electrons are shared

Each element has a charge Opposite charges attract

A metal and a non-metal combine

Electrons are transferred

metal forms cation nonmetal forms anion

bond between an anion and a cation

difference in electronegativity greater than 1.7

