

Monday 11/17

Identify how many electrons were gained or lost to form each ion:

$\text{N}^{3-}$	$\text{Cu}^{2+}$	$\text{K}^{+}$
$\text{Br}^{-}$	$\text{Fe}^{3+}$	$\text{O}^{2-}$

Answer Bank

- Gained 3
- Gained 2
- Gained 1
- Lost 1
- Lost 2
- Lost 3

Tuesday 11/18

Element	Metal or Nonmetal	Gain or Lose e-	Cation or Anion	Charge
Mg				
N				
Al				
Cl				
K				
S				
Ca				
F				
P				

Wednesday 11/19

Identify the charge of each cation and anion in the compounds below:

DRAG AND DROP

BeS  $\rightarrow$   $[\text{Be}]^{\boxed{?}}$   $[\text{:}\ddot{\text{S}}\text{:}]^{\boxed{?}}$

NaF  $\rightarrow$   $[\text{Na}]^{\boxed{?}}$   $[\text{:}\ddot{\text{F}}\text{:}]^{\boxed{?}}$

AlN  $\rightarrow$   $[\text{Al}]^{\boxed{?}}$   $[\text{:}\ddot{\text{N}}\text{:}]^{\boxed{?}}$

Answer Key

+	-
2+	2-
3+	3-

Thursday 11/20

1. Which pair forms an ionic compound in a 1 to 1 ratio?

- a. Mg and O
- b. Na and Cl
- c. Li and O
- d. Ca and F

2. Which two ions will bond in a 1 to 1 ratio?

- a.  $\text{Ca}^{2+}$  and  $\text{I}^{1-}$
- b.  $\text{K}^{+}$  and  $\text{O}^{2-}$
- c.  $\text{Al}^{3+}$  and  $\text{N}^{3-}$
- d.  $\text{Mg}^{2+}$  and  $\text{F}^{-}$

**Friday 11/21**

**1. What is the correct formula for magnesium and fluorine?**

- a.  $\text{MgF}$
  - b.  $\text{MgF}_2$
  - c.  $\text{Mg}_2\text{F}$
  - d.  $\text{Mg}_2\text{F}_3$
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**2. What is the correct formula for aluminum and oxygen?**

- a.  $\text{AlO}$
  - b.  $\text{Al}_2\text{O}$
  - c.  $\text{Al}_2\text{O}_3$
  - d.  $\text{Al}_3\text{O}_2$
- 

**3. What is the correct formula for calcium and nitrogen?**

- a.  $\text{CaN}$
  - b.  $\text{Ca}_2\text{N}$
  - c.  $\text{Ca}_3\text{N}_2$
  - d.  $\text{CaN}_2$
- 

**4. What is the correct formula for lithium and sulfur?**

- a.  $\text{LiS}$
- b.  $\text{Li}_2\text{S}$
- c.  $\text{LiS}_2$
- d.  $\text{Li}_3\text{S}_2$