

Monday 11/17

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

N^{3-}	Cu^{2+}	K^{+}
Br^{-}	Fe^{3+}	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:

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-

DRAG AND DROP

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

Friday 11/21

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

- a. MgF
 - b. MgF_2
 - c. Mg_2F
 - d. Mg_2F_3
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2. What is the correct formula for aluminum and oxygen?

- a. AlO
 - b. Al_2O
 - c. Al_2O_3
 - d. Al_3O_2
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3. What is the correct formula for calcium and nitrogen?

- a. CaN
 - b. Ca_2N
 - c. Ca_3N_2
 - d. CaN_2
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4. What is the correct formula for lithium and sulfur?

- a. LiS
- b. Li_2S
- c. LiS_2
- d. Li_3S_2