

Monday 11/17

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

$N^{3-}$	$Cu^{2+}$	$K^+$	Answer Bank
			Gained 3
			Gained 2
			Gained 1
$Br^-$	$Fe^{3+}$	$O^{2-}$	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  $\rightarrow$   $[\text{Be}]^?$   $[\ddot{\text{S}}:]^?$

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

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

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. MgF
- b. MgF<sub>2</sub>
- c. Mg<sub>2</sub>F
- d. Mg<sub>2</sub>F<sub>3</sub>

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### 2. What is the correct formula for aluminum and oxygen?

- a. AlO
- b. Al<sub>2</sub>O
- c. Al<sub>2</sub>O<sub>3</sub>
- d. Al<sub>3</sub>O<sub>2</sub>

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

- a. CaN
- b. Ca<sub>2</sub>N
- c. Ca<sub>3</sub>N<sub>2</sub>
- d. CaN<sub>2</sub>

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

- a. LiS
- b. Li<sub>2</sub>S
- c. LiS<sub>2</sub>
- d. Li<sub>3</sub>S<sub>2</sub>