### White Board Practice Types of Bonds and Nomenclature

Write down your answer on the white board and hold it up when you think that you have the answer!

### How many valence electrons does Oxygen have?

#### What charge will oxygen have when it forms an ion? What will its name be?

## **CCI**4 Type of bond? Name?

## **Mg(OH)**<sub>2</sub> Type of bond? Name?

## **NaCl** Type of bond? Name?

## **NaF** Type of bond? Name?

## **Ba(NO<sub>3</sub>)**<sup>2</sup> Type of bond? Name?

## Li2SO4 Type of bond? Name?

## **S**<sub>2</sub>**F**<sub>4</sub> Type of bond? Name?

## **CO**<sub>3</sub> Type of bond? Name?

### How many valence electrons does Sulfur have?

#### What charge will sulfur have when it forms and ion? What will its name be?

#### What are the names for the common ions SO4<sup>2-</sup> and SO3<sup>2-</sup>

## **CS<sub>2</sub>S** Type of bond? Name?

### How many valence electrons does Radium have?

#### What charge will Radium have when it forms and ion? What will its name be?

## **CoF**<sub>3</sub> Type of bond? Name?

## **NO**<sub>2</sub> Type of bond? Name?

### How many valence electrons does Nitrogen have?

#### What charge will Nitrogen have when it forms and ion? What will its name be?

### **MgCl**<sub>2</sub> Type of bond? Name?

## $Al_2(SO_4)_3$ Type of bond? Name?

## **AgNO**<sup>3</sup> Type of bond? Name?

## **Rb**<sub>3</sub>**N** Type of bond? Name?

# H<sub>3</sub>P Type of bond? Name?

# H<sub>2</sub>O Type of bond? Name?

# **SF**<sub>6</sub> Type of bond? Name?

## **Na**<sub>3</sub>**N** Type of bond? Name?

### How many valence electrons does Phosphorous have?

#### What charge will Phosphorous have when it forms and ion? What will its name be?

## **NO**5 Type of bond? Name?

## **CO** Type of bond? Name?

## **NBr**<sub>3</sub> Type of bond? Name?

## N<sub>2</sub>Cl<sub>7</sub> Type of bond? Name?

## **SF**<sub>6</sub> Type of bond? Name?

#### **P4O10** Type of bond? Name?

# **Nal** Type of bond? Name?

# **BN** Type of bond? Name?

# **NH4F** Type of bond? Name?

# AI(OH)<sub>3</sub> Type of bond? Name?

# **SiO**<sub>2</sub> Type of bond? Name?

#### How many valence electrons does Rubidium have?

#### What charge will Rubidium have when it forms and ion? What will its name be?

## **MgCO**<sub>3</sub> Type of bond? Name?

## **AS40**<sub>10</sub> Type of bond? Name?

# LiNO<sub>3</sub> Type of bond? Name?

# **HCI** Type of bond? Name?

# N<sub>2</sub>S<sub>5</sub> Type of bond? Name?

# ICl<sub>2</sub> Type of bond? Name?

# **FeCl**<sub>3</sub> Type of bond? Name?

## Na<sub>2</sub>CO<sub>3</sub> Type of bond? Name?

## **CaSO**<sub>4</sub> Type of bond? Name?

#### **Fe<sub>2</sub>O<sub>3</sub>** Type of bond? Name?

## **CO**<sub>3</sub>N<sub>2</sub> Type of bond? Name?