

# Chemistry: Ionic & Covalent Bonds Unit Study Guide

## Covalent Bonding & Nomenclature Study Guide

1. Circle the correct word that would complete the statements below regarding Covalent Compounds.

- Bond form
- Large / Small Electronegativity Difference
- Atom / Molecule
- High / Low Melting & Boiling Point
- Conducts / Does not Conduct Electricity in Solution
- Solid / Liquid / Gas at Room Temperature

2. Write the prefix following number.

Number	Prefix
1	
2	
3	
4	
5	

3. What are the ions?

4. Complete the chart.

Formula	Name
$Mg^{2+}$	
	$Br^{-}$
$Fe^{3+}$	
	$SO_4^{2-}$

5. What does VSEPR

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Ionic Bonding & Nomenclature Study Guide

1. Circle the correct word that would complete the statements below regarding Ionic Compounds.

- Bond between a Metal / Nonmetal and a Metal / Nonmetal
- Large / Small Electronegativity Difference
- The Metal / Nonmetal form Cations which Gain / Loose Electrons
- The Metal / Nonmetal form Anions which Gain / Loose Electrons
- High / Low Melting & Boiling Point
- Conducts / Does not Conduct Electricity in Solution
- Solid / Liquid / Gas at Room Temperature

2. What charge would the following periodic table families have in a chemical bond?

Family	Charge
Alkali Metals	
Alkaline Earth	
Halides	
Carbon	
Nitrogen	
Oxygen	

3. Write the number numbers that is represented by the following numbers.

Number	Prefix
1	
2	
3	
4	
5	
6	

4. Complete the chart below by filling in the missing names.

CATION	ANION	FORMULA	NAME
$Mg^{2+}$	$Br^{-}$		
		$CuO$	
			Iron (II) sulfate
		$(NH_4)_3PO_4$	

# Ionic Covalent Bonding Test Study Guide Answers

**Martha R. Taylor**



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