Name:

Naming & Formula Writing

Unit Quiz Review

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Explain how to determine the charges of monatomic ions.

Explain how polyatomic ions differ from and are similar to monatomic ions.

Apply the rules for naming and writing formulas for binary ionic compounds.

Apply the rules for naming and writing formulas for ionic compounds with polyatomic ions.

4pply	pply the rules for naming and writing formulas for binary molecular compounds.					
1.	How a	are monatomic and polyatomic ions s	similar and different?			
2.		mine the correct charges for each of Boron	the following monatomic ions. b. Sulfur			
	C.	Calcium	d. Iron (2 electrons lost)			
	e.	Arsenic	f. Barium			
3.	What	are the steps you should take when	writing the chemical formula for a binary ionic compound?			
4.	What	are the steps you should take when	writing the name of a binary ionic compound?			
5.		are the steps you should take when ns a polyatomic ion?	writing the chemical formula for an ionic compound that			

6. What are the steps you should take when writing the name of ionic compound that contains a polyatomic ion?

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- 7. What are the steps you should take when writing the chemical formula for a *molecular compound?*
- 8. What are the steps you should take when writing the name of a molecular compound?
- 9. Write the name for the following compounds.

Chemical Formula	Compound Name	Ionic or Molecular Compound
K ₂ CO ₃		
SO ₂		
КОН		
Li ₃ PO ₄		
BrF ₅		
Sn(NO ₂) ₄		
CuMnO₄		
Be ₃ N ₂		
Pb ₃ N ₄		
Cu ₂ O		
Aul ₃		
CrF ₃		

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Chemical Formula	Compound Name	Ionic or Molecular Compound
(NH ₄) ₂ CO ₃		
BI ₃		
Rb ₂ Cr ₂ O ₇		
CCI ₄		
Ca(SCH) ₂		
Na ₂ SO ₃		
P ₄ S ₆		
SeF ₆		
XeF₄		
H ₂ O		

10. Write the chemical formula for each of the compounds below.

Chemical Name	Chemical Formula	lonic or Molecular Compound
Sodium fluoride		
Manganese (III) iodide		
Lead (IV) sulfide		
Copper (II) fluoride		
Tin (IV) sulfide		

Chemical Name	Chemical Formula	lonic or Molecular Compound
Radium bromide		
Nickel (III) oxide		
Antimony tribromide		
Potassium selenide		
Strontium oxide		
Calcium sulfide		
Sodium hydroxide		
Cobalt (II) carbonate		
hexaboron silicide		
Iron (III) chromate		
Ammonium phosphide		
chlorine dioxide		
Ammonium acetate		
phosphorus triioxide		
Uranium (III) hydroxide		
Barium bicarbonate		
Dinitrogen trioxide		

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