1. What makes a compound different from an element?		
2. What makes a compound different from a mixture?		
3. What makes solutions different from other mixtures?		
4-8 match the items on the right with the descriptions on the left		
4. only forms positive ions	only forms positive ions	
has a high melting point and conducts electricity when melted		Ionic bond Metals Covalent compound Covalent bond
6. never forms compounds	Noble gas	
7. forms when pairs of electrons are shared by two atoms		
8. forms when electrons are transferred between atoms		
9. Which <b>two</b> of the following are written correctly? Fe <sub>2</sub> O <sub>2</sub> He <sub>2</sub> F Ca		
10. For each pair of elements below, use the "stairs" on the periodic table to determine the type of compound that will form. Write "C" for covalent, "I" for ionic, and "N" for none.		
Al & O F & Ne	Ni & Cr	N & I
C & Cl Pb & S	Ar & S	Na & P
11. Write the <b>name</b> of each of the following compounds. Be sure to use different naming rules for ionic and covalent compounds		
$\mathrm{Na_{2}O}$	N <sub>2</sub> O <sub>6</sub>	
Pb(OH) <sub>2</sub>	(NH <sub>4</sub> ) <sub>2</sub> S	
SiO <sub>2</sub>	FeSO <sub>4</sub>	
12. Write the <b>chemical formula</b> for each of the following compounds		

DiPhosphorus Pentoxide

Iron (III) Oxide

Magnesium Fluoride Nitrogen Tribromide

Practice Test Chemical Bonds and Compounds

Copper (I) Phosphate

Chromium (VI) Chlorite