Name:	Date:	Period:

Ionic or Covalent Bond?

It is not difficult to tell if a compound is ionic or covalent from the chemical formula. The idea is simple, if a bond is ionic, then one of the atoms must be an atom that can form a positive ion. Therefore, in an ionic bond, one of the atoms must be a metal. Since nonmetals are more electronegative, they will not give up electrons easily. In a bond formed between two nonmetal atoms, neither will give up the electron, they will share. Bonds between two nonmetals are covalent.

State whether the following bonds are ionic or covalent. Write you answers in the line provided.

1. NaCl	
2. CO ₂	
3. HCl	
4. MgCl ₂	
5. CuF ₂	
6. Fe2O ₃	
7. PCl ₅	
8. HCO ₃	
9. H ₂ O	
10.KBr	
11.CaO	
12.AgCl	
13.CH₄	
14.SO ₂	
15.ZnCl ₂	
16.NH ₄ Cl	