

Lewis Dot Structures

Name: _____

Ionic and Covalent Bonds

Ionic bonds involve the transfer of electrons and form ionic compounds. Covalent bonds involve the sharing of electrons and form molecular compounds. Identify the following as either ionic or molecular compounds. Draw the Lewis Dot structure for the compounds and name the compounds.

| Compound | Type of Bonds | Name | Lewis Dot |
|----------------------|---------------|------|-----------|
| 1) CS ₂ | | | |
| 2) AlF ₃ | | | |
| 3) CaCl ₂ | | | |
| 4) BeO | | | |
| 5) H ₂ S | | | |
| 6) AsF ₃ | | | |
| 7) CH ₄ | | | |
| 8) SiO ₂ | | | |
| 9) Na ₂ O | | | |
| 10) K ₃ N | | | |

Lewis Dot Structures

Name: _____

Ionic and Covalent Bonds

Ionic bonds involve the transfer of electrons and form ionic compounds. Covalent bonds involve the sharing of electrons and form molecular compounds. Identify the following as either ionic or molecular compounds. Draw the Lewis Dot structure for the compounds and name the compounds.

| Compound | Type of Bonds | Name | Lewis Dot |
|----------------------|---------------|------|-----------|
| 1) BaS | | | |
| 2) CBr ₄ | | | |
| 3) PH ₃ | | | |
| 4) OF ₂ | | | |
| 5) AlCl ₃ | | | |
| 6) SCl ₂ | | | |
| 7) SeO | | | |
| 8) NaI | | | |
| 9) Cs ₃ N | | | |
| 10) SiS ₂ | | | |