

Lewis Dot Structures

Name: _____

Draw the Lewis Dot Structures for the following atoms:

1) Sr

5) Se

2) Al

6) Li

3) Br

7) Kr

4) N

8) Si

Draw the covalent bonds for the following pair of atoms (You may need more than 1 of either (or both) type of atom!) : Then tell whether the bonds are polar or nonpolar.

1) F and F

6) H and O

2) P and Cl

7) C and I

3) O and O

8) H and H

4) C and O

9) N and H

5) S and Br

10) P and O

Bonding and Lewis Dot Structures

Name _____

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	Shape
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				