

## Covalent Bonding

### Quiz Review

**Learning Targets**

Identify the information a molecular formula provides.

Explain the result of electron sharing in covalent bonds.

Identify properties of ionic and covalent bonds.

**Definitions to Know**

Covalent bond

Molecules

Ionic bond

Formula unit

Dot Structures/Line Structures

**Dot and Line Structures**

Formula	Electron Dot Structure	Line Structure
$\text{N}_2$		
$\text{CBr}_4$		
$\text{SiO}_2$		

Name: \_\_\_\_\_

Formula	Electron Dot Structure	Line Structure
$\text{PI}_3$		
$\text{HF}$		
$\text{CO}_2$		
$\text{NI}_3$		

**Covalent vs. Ionic Compounds**

Identify each of the following as either ionic or covalent. If the compound is ionic, identify what the cation and anion is (include appropriate charges).

