

Name: _____ Period: _____



Chemistry

Quiz Review: Covalent Bonding

Name that Bond

1. Explain how to name ionic compounds and how to name covalent compounds. Explain what is different about them.

Ionic Compounds	Covalent Compounds
Differences	

2. Name the following compounds or molecules. They may be ionic or covalent, so make sure you check.

- a. Na_2O _____
- b. P_2Cl_6 _____
- c. C_4H_{10} _____
- d. NF_3 _____
- e. Sr_3N_2 _____

Drawing a Covalent Molecule (Structural Formula)

3. Explain how you determine the central atom (the one in the middle).
4. How do you determine the electrons used for drawing the compound? Use H_2O_2 as an example.

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5. For the following, determine total valence electrons, draw the structure, and determine the geometry of the molecule:

Compound	Total Valence Electrons	Structural Formula	3D Shape	Molecular Geometry
HSiP				
CH ₂ Cl ₂				
NCl ₂ H				
CN ¹⁻				
CH ₄ O				