

Names \_\_\_\_\_

For each of the following **draw the Lewis Dot structure, name the compound, make a model of the compound,** and give the **name of its shape** and write the **bond angle**.

1. **CS<sub>2</sub>** (Use 4 hole as center atom)

Name \_\_\_\_\_

Shape \_\_\_\_\_

Bond Angle \_\_\_\_\_

2. **SCl<sub>4</sub> (S breaks the octet rule)** (Use 5 hole as center atom)

Name \_\_\_\_\_

Shape \_\_\_\_\_

Bond Angle \_\_\_\_\_

3. **SiCl<sub>4</sub>** (Use 4 hole as center atom)

Name \_\_\_\_\_

Shape \_\_\_\_\_

Bond Angle \_\_\_\_\_

4. **SCl<sub>6</sub> (S breaks the octet rule)** (Use 6 hole as center atom)

Name \_\_\_\_\_

Shape \_\_\_\_\_

Bond Angle \_\_\_\_\_

5. **NF<sub>3</sub>**

**(Use 4 hole as center atom)**

Name \_\_\_\_\_

Shape \_\_\_\_\_

Bond Angle \_\_\_\_\_

6. **BF<sub>3</sub>** (**B breaks the octet rule**)

**(Use 3 hole as center atom)**

Name \_\_\_\_\_

Shape \_\_\_\_\_

Bond Angle \_\_\_\_\_

7. **H<sub>2</sub>S**

**(Use 4 hole as center atom)**

Name \_\_\_\_\_

Shape \_\_\_\_\_

Bond Angle \_\_\_\_\_

8. **C<sub>2</sub>H<sub>4</sub>** (**Use two 4 holes as center atoms**)

**(This is 2 of the same shapes bonded together)**

Name \_\_\_\_\_

Shape \_\_\_\_\_

Bond Angle \_\_\_\_\_