

**Chemistry Unit 10 – Bonding**

Name \_\_\_\_\_

**Worksheet 3: Shapes of Molecules and Polarity**

Date \_\_\_\_\_ Pd \_\_\_\_

1. Draw the following molecules and name the shape.
2. Sketch the individual bonds between atoms and draw in the dipole moment.
3. Sketch in the dipole moments on molecular structure and indicate the overall molecular polarity.

Formula	Structure	Bond polarity	Overall Molecular Polarity
1. CBr <sub>4</sub>			
2. PCl <sub>3</sub>			
3. Cl <sub>2</sub> O			
4. HCl			
5. H <sub>2</sub> O			
6. NH <sub>3</sub>			
7. CH <sub>3</sub> Cl		C-H C-Cl	
8. CO <sub>2</sub>			
9. CH <sub>3</sub> OH		C-H C-O O-H	
10. C <sub>3</sub> H <sub>8</sub>		C-C C-H	