

Reinforcement**Chapter 1****BLM 1-1****Working with Molecular Shape and Polarity****Goal**

Practice drawing three-dimensional diagrams, and predicting whether or not an organic molecule is polar.

Procedure

Draw a three-dimensional structural diagram for each molecule. Name the shape around the carbon atom(s), indicate the bond angle, and identify each molecule as polar or non-polar.

Molecule	Structural diagram	Shape name	Bond angle	Polar or non-polar
Cl ₄				
CH ₃ F				
HC(O)CH ₃				
CHBr ₃				
CS ₂				
C ₂ HF				
CHFCIBr				
C ₂ H ₃ I				