

General Chemistry
Mr. MacGillivray
Quiz #15:
Molecular Geometry and Polarity

Draw Lewis dot structures for the following molecules. Indicate the geometry of the molecule. Tell whether or not the molecule has polar bonds. Finally, indicate whether the molecule itself is polar or nonpolar.

Molecule	Lewis dot structure	Molecular geometry	Polar bonds? (Yes or No)	Molecular Polarity: Polar or Nonpolar
H ₂				
H ₂ O				
CO ₂				
NH ₃				
BF ₃ – this is an exception to the octet rule				