

# Non Sibi High School

Andover's Chem 250: Introductory/Basic Chemistry

Chapter 11, Review Quiz 1

## 1

Draw the Lewis structure, name the molecular geometry (shape), draw a three-dimensional sketch, and indicate the bond angle for each of the following molecules and ions. Also state whether the neutral molecules are polar or nonpolar.

- a.  $\text{BI}_3$
- b.  $\text{CH}_2\text{Br}_2$
- c.  $\text{FNO}$
- d.  $\text{H}_3\text{O}^+$
- e.  $\text{OCS}$
- f.  $\text{PCl}_4^+$
- g.  $\text{SF}_2$



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