

9.3 Review Questions

1. What types of bonds are found in the following molecules? (Just analyze one of the bonds).

a. HCl

b. NaF

c. K_3N

d. $SiCl_4$

e. $MgCl_2$

f. AlF_3

2. What type of bond is strongest, ionic, polar covalent or nonpolar covalent? Why?

3. Is an ionic bond more like a polar covalent or a nonpolar covalent bond? Why?