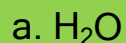


## 9.6-7 Review Questions

1. Tell whether the following molecules are polar or nonpolar.



2. Why can't a molecule made of nonpolar bonds be polar?

3. What has a higher melting point, a polar molecule or a same-sized nonpolar molecule?

4. Is  $\text{K}_3\text{P}$  a polar, non-polar, or an ionic molecule? How do you know?

5. The things listed below will either dissolve in water (polar) or gasoline (nonpolar). Please tell what each will dissolve better in.

a. A molecule made of Li and F

d. Sunscreen

b. Motor oil

e. Table salt

c.  $\text{H}_2\text{O}$

f. Your hair

6. The Wicked Witch of the West died when Dorothy Gale threw water on her in the movie, *The Wizard of Oz*. Knowing this, what type of molecules must have held the witch together? WHY?