Hybridization

Identify the hybridization state of each of the non-hydrogen atoms in each structure below.

$$H$$
, $C = C$, H

$$\ddot{O} = C = \ddot{O}$$

$$H - C \equiv C - H$$

$$H$$
 $C = C = C$
 H

Electronegativity

Identify the polarity of the bonds in the following molecules

- 1. H₂O
- 2. F₂O
- $3. H_2S$
- 4. F₂S
- 5. HOCl
- 6. HOF