Problems from your text
1.2, 1.5, 1.6, 1.7, 1.11, 1.14, 1.16, 1.19, 1.24, 1.27, 1.28, 1.29, 1.32, 1.37, 1.41, 1.43, 1.46, 1.47

Additional Practice Problems

1. In the following molecule, identify the hybridization of all carbons and oxygens. How may sigma and pi bonds are present?

![Molecule](image)

2. Draw a geometrical picture of the following compounds. Which would be linear and which would not?

   a) CO₂  
   b) H₂S  
   c) HCN  
   d) HCCH (acetylene)