Chapter 9 Questions:

1. Name as 1°, 2°, or 3° alcohol:

   
   ![Image of three alcohol structures]

2. Name the following compounds:

   
   ![Image of four compound structures]

3. Fill in each box:

   
   ![Image of a reaction with NaOH and NaOCH₃]
Chapter 10 Questions:

1. Name the following compounds:

   ![HO-alkene](image1)

   ![Bicyclooctene](image2)

2. Give the products of the following reactions:
Chapter 11 Questions:

1. Fill in the boxes:

   - \[ \text{H}_2\text{O}, \text{H}_2\text{SO}_4, \text{HgSO}_4 \]
   - \[ \text{LiBr} \]
   - \[ \text{NaO} \]
   - \[ \text{BH}_3 \]

Chapter 12 Questions:

1. Fill in the boxes:

   - \[ \text{H}_2, \text{Pd/C} \]
   - \[ \text{H}_2 \]
   - \[ \text{Lindlar Catalyst} \]
   - \[ \text{Na, NH}_3 \]