

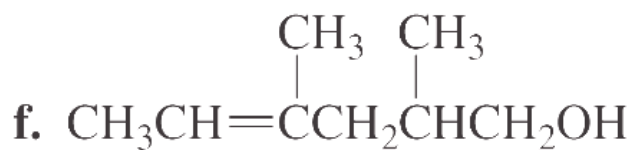
1. Draw the skeletal structures for each of the following:

a) 2-chloro-3-hexyne

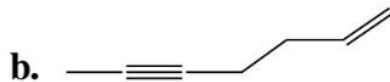
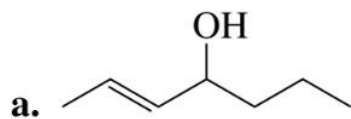
b) 2,4,5-triethyl-1-octyne

c) Cyclobutyne

2. Name the following:



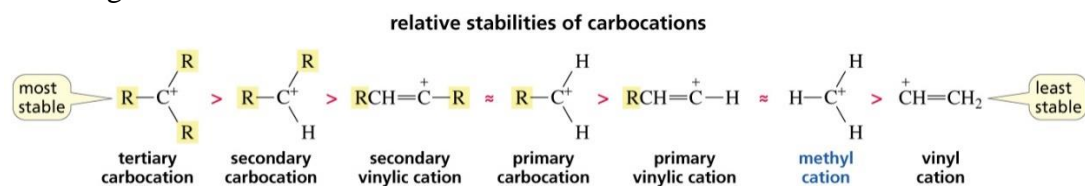
3. Name the following:



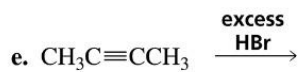
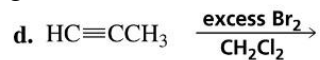
4. Why does 1-pentyne have a higher boiling point than 1-pentene?

5. What ketones are formed from the acid-catalyzed hydration of 3-heptyne?

6. Knowing this:



What is the major product of the following reactions?



7. What are the products of the following reactions?

