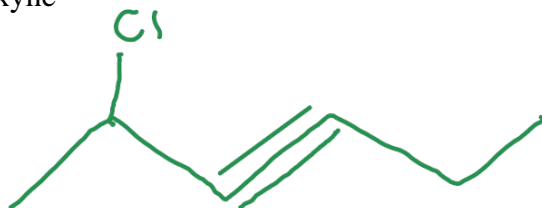
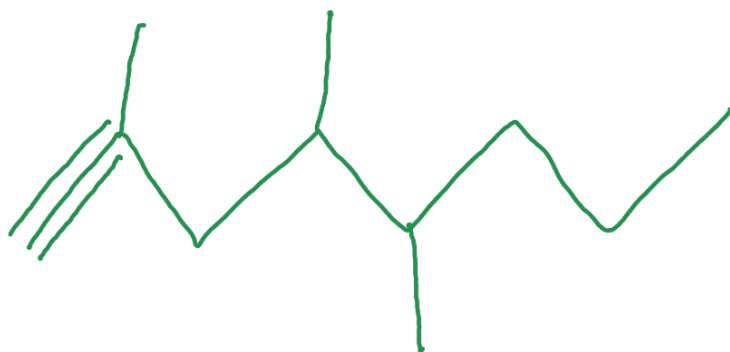


1. Draw the skeletal structures for each of the following:

a) 2-chloro-3-hexyne



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



c) Cyclobutyne



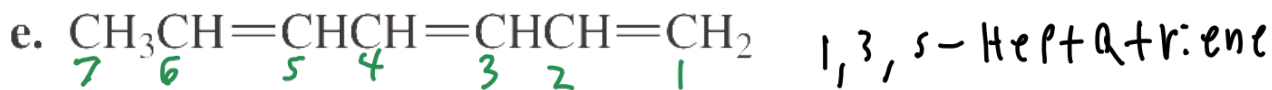
2. Name the following:



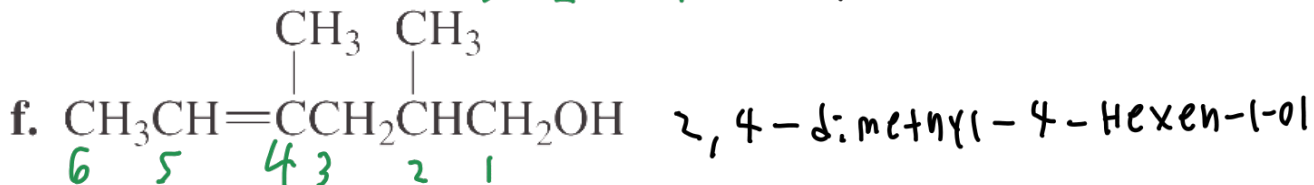
PC: Butanol   Sub: 3-yne

3-buten-1-ol

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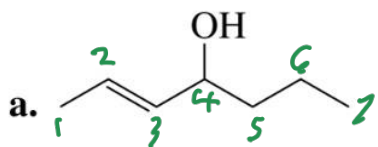
1,3,5-Heptatriene



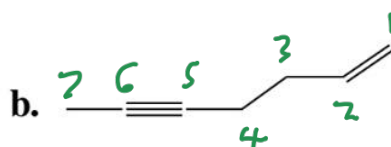
2,4-dimethyl-4-hexen-1-ol

3. Name the following:

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(E)-2-Hepten-4-ol

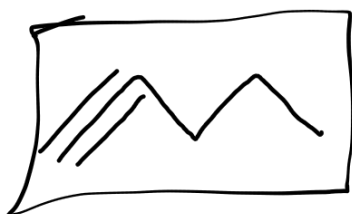


1-Hepten-5-yne



(E)-4-Hepten-1-yne

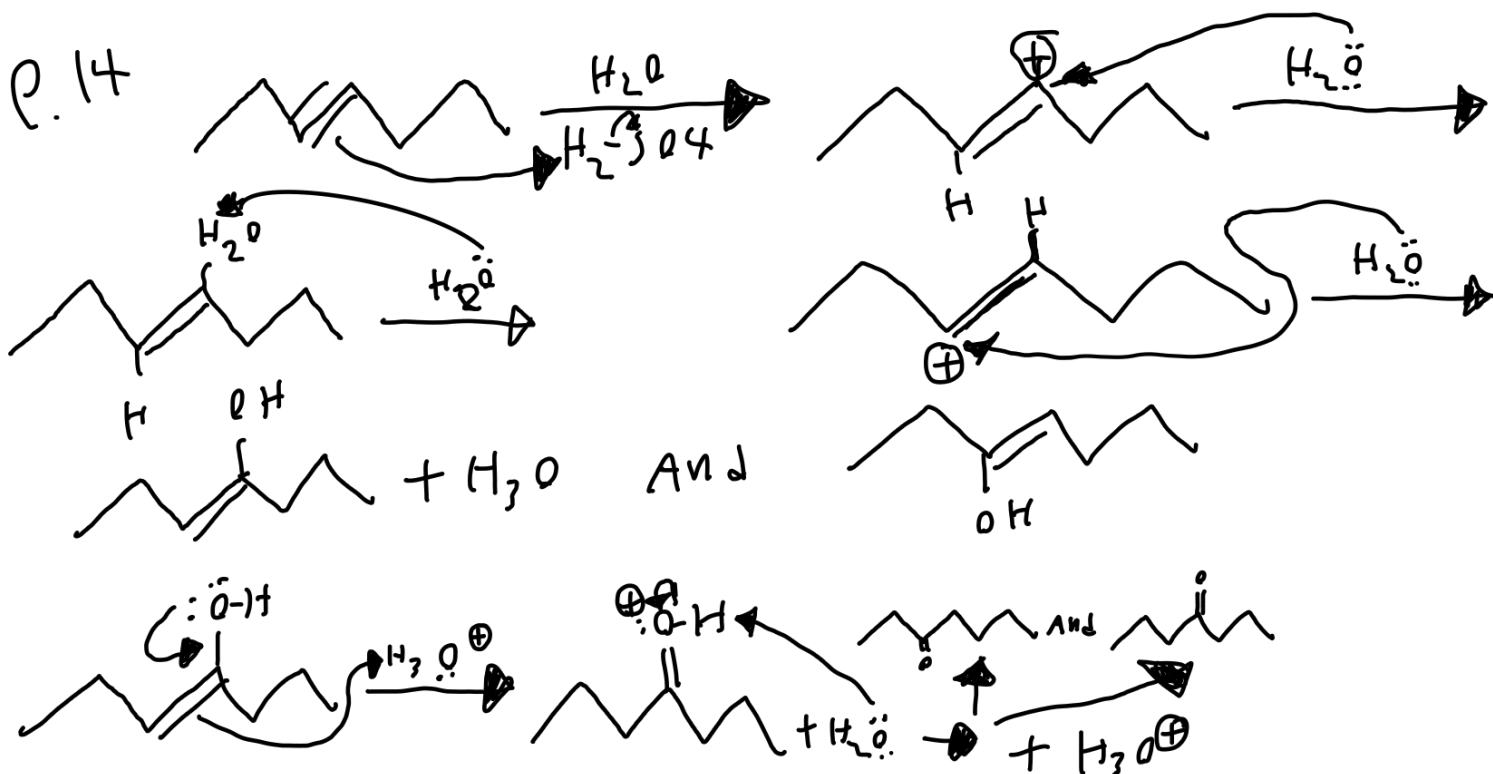
4. Why does 1-pentyne have a higher boiling point than 1-pentene?



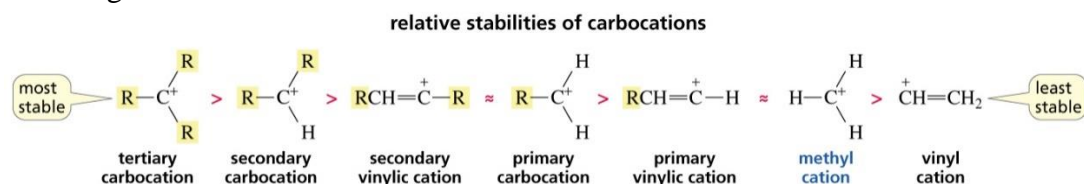
$\equiv$  has  
a bigger dipole  
moment than  $=$

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

p. 14

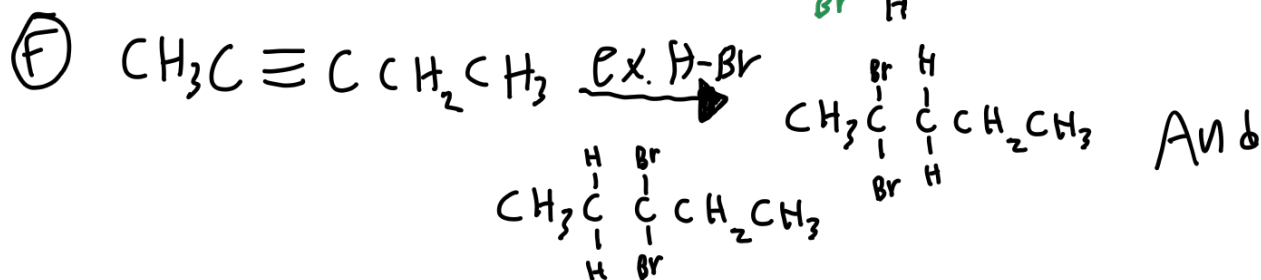
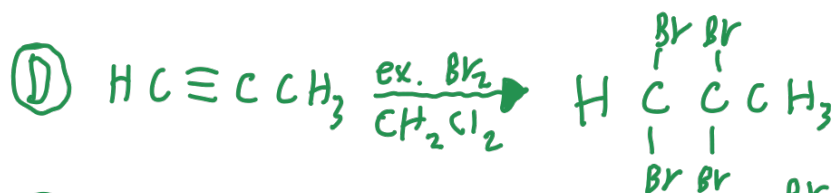
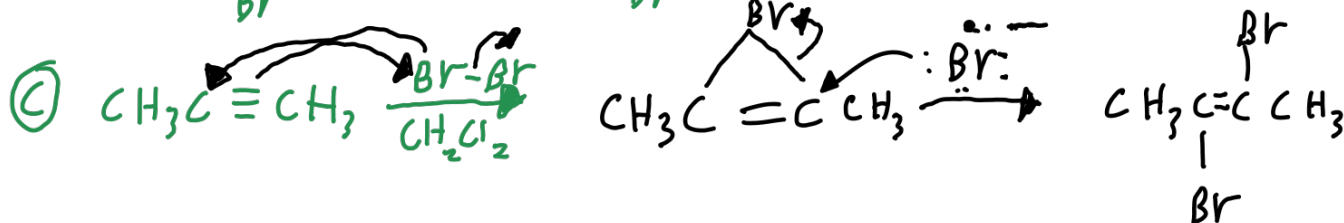
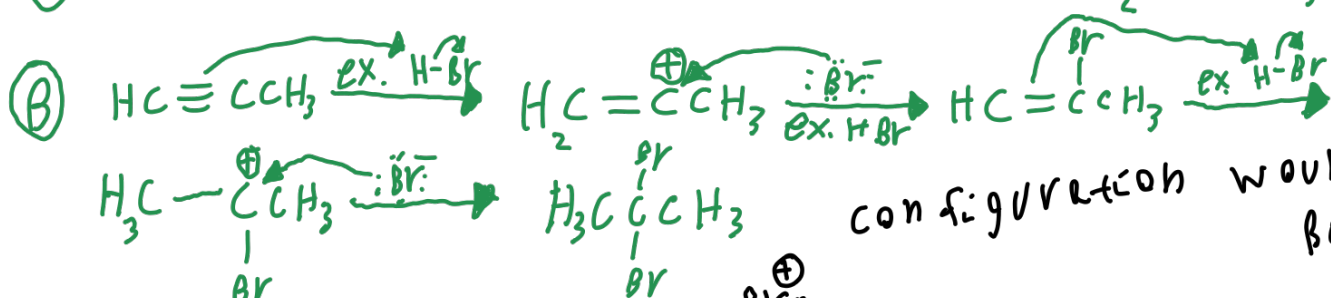
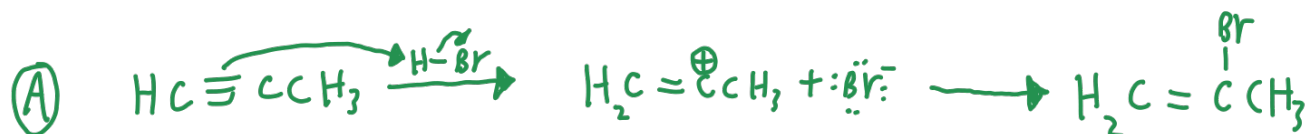
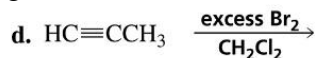


6. Knowing this:



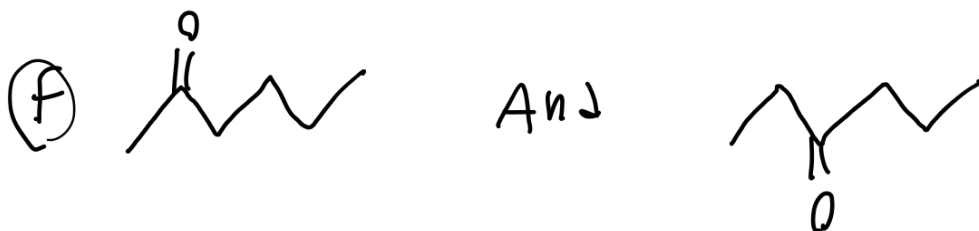
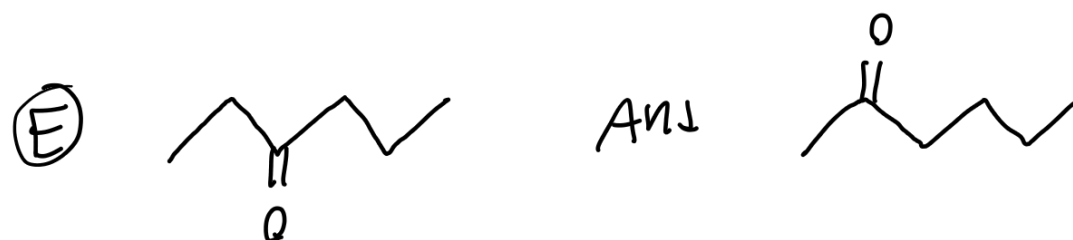
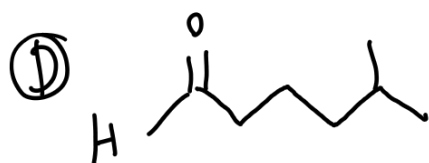
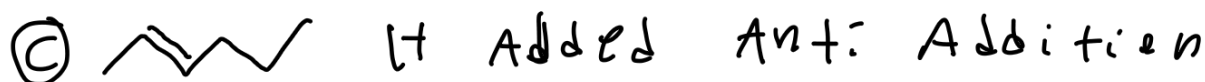
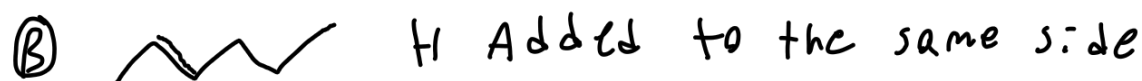
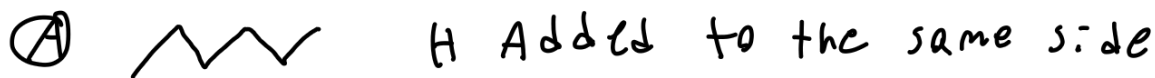
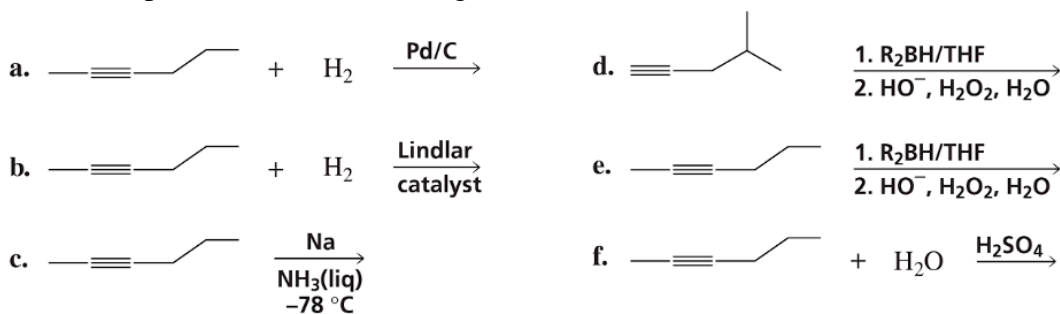
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What is the major product of the following reactions?



7. What are the products of the following reactions?

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$\frac{H_2SO_4}{HgSO_4}$  for terminal Alkyne

RCIS.....

