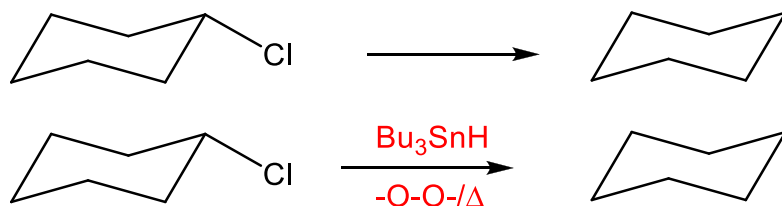


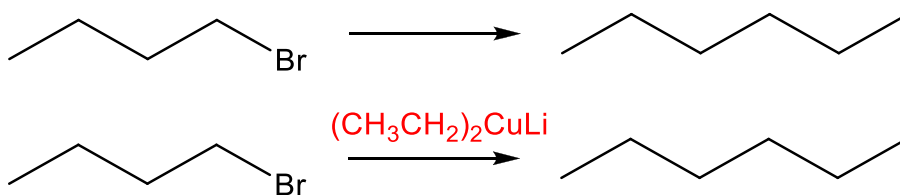
Exercise 10: - Synthesis of alkanes

1. What reagents would you use to effect the following conversions?

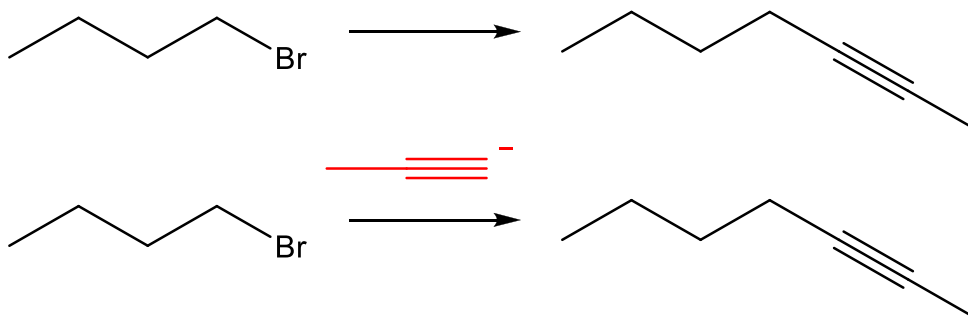
a.



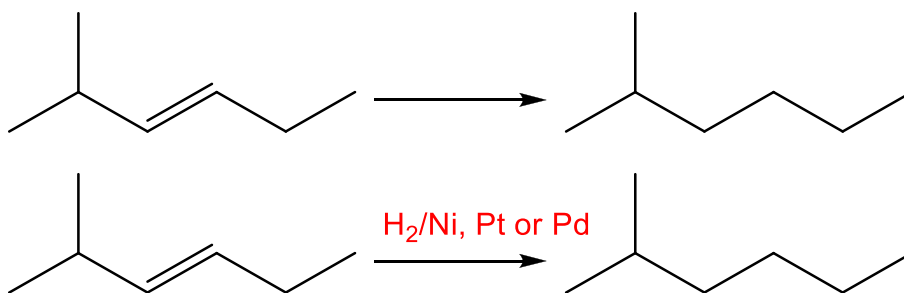
b.



c.

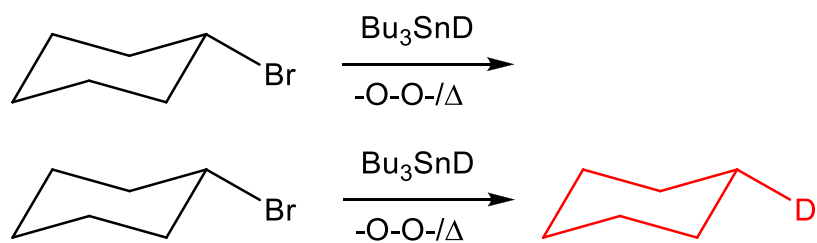


d.

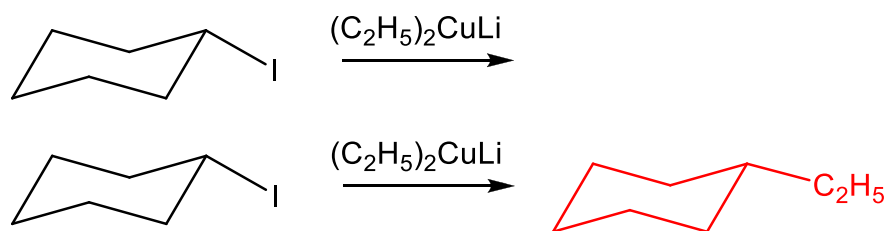


2. Give the major organic product(s) of the following reaction:

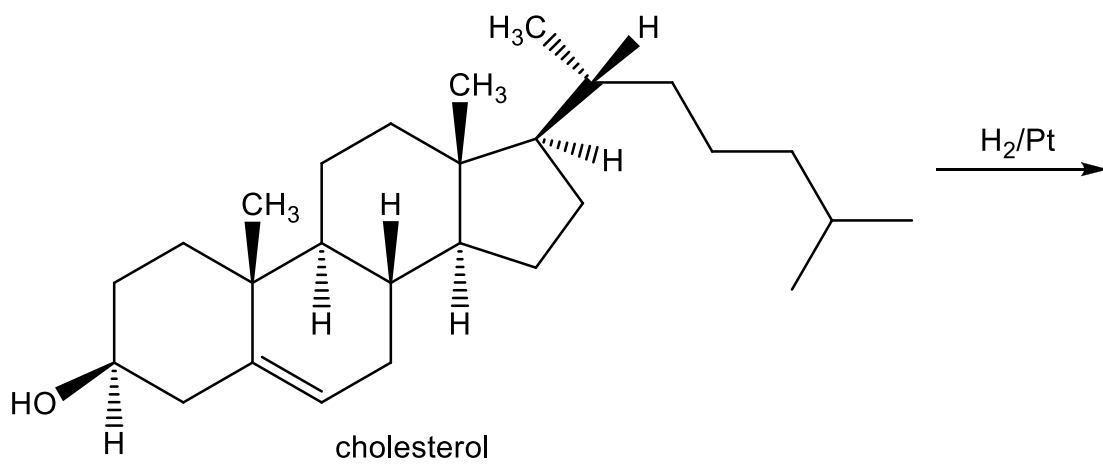
a.

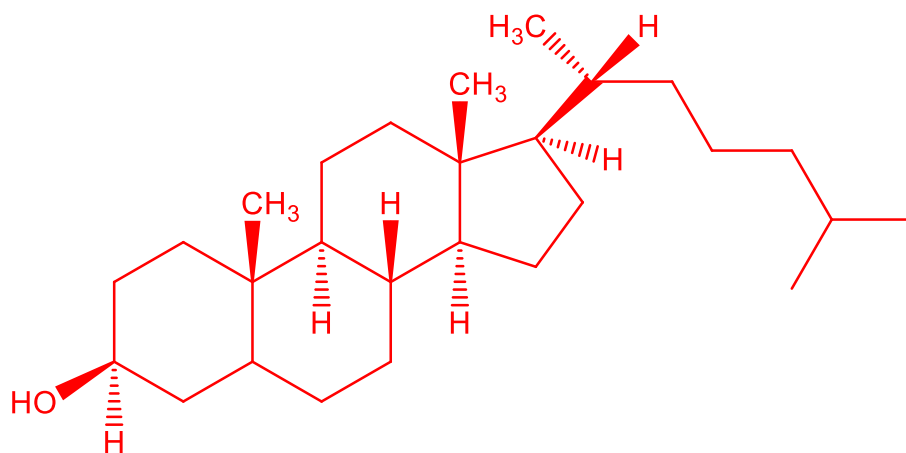


b.



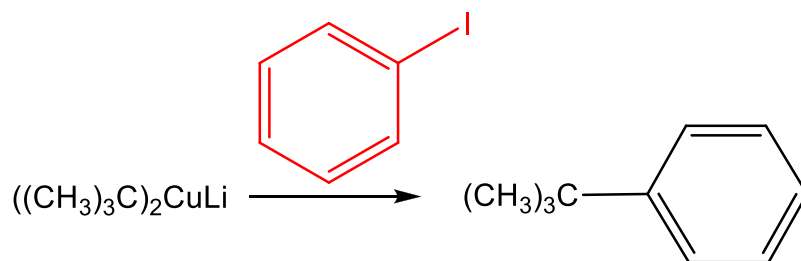
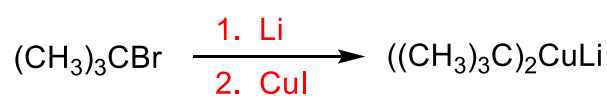
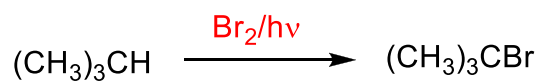
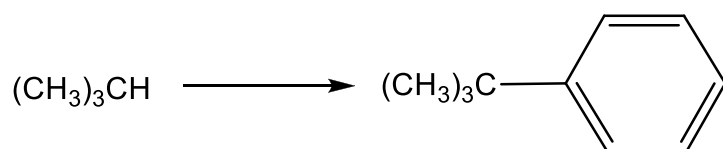
c.





3. Give a synthesis of the following compounds using the given starting material and any other organic and/or inorganic reagents that you care to use:

a.



b.

