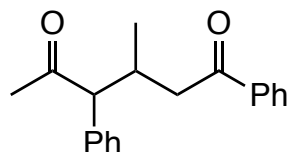
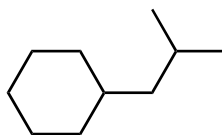


VI. (40 pts) Synthesize the following target molecules. **Each synthesis must form at least one new C–C bond.** You may use any commercially available starting materials, reagents.

e.

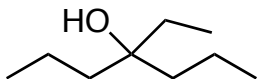


f.



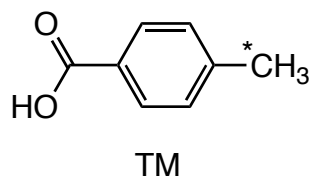
(from **alcohol starting materials**
as the only source of carbon)

g.



(CH₃CH₂CH₂OH as the
only source of carbon)

h. Provide a synthesis of the given target molecule that correctly incorporates the ¹⁴C-labeled (*) carbon atom as shown, starting with **benzene** and using the given starting materials as the only sources of **labeled** carbon. Any commercially available reagents may also be used.



available labeled
starting materials

