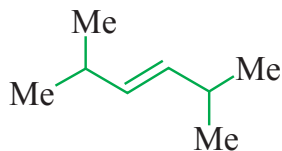


5. (11 points each, 22 points total) Please provide syntheses for **only two of the three** indicated compounds. All the carbon atoms should be derived from the allowed starting materials. You may use any common reagents.

Allowed Starting Materials:

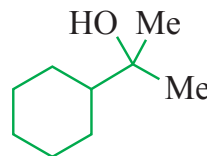
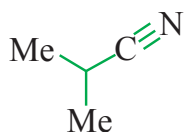


A

B

C

Pick Two:



Synthesis # 1:

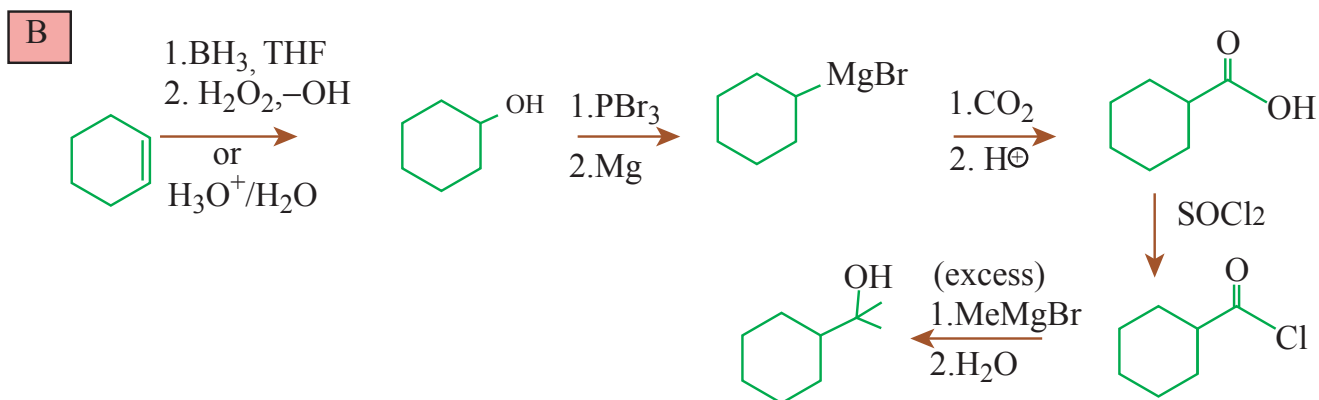
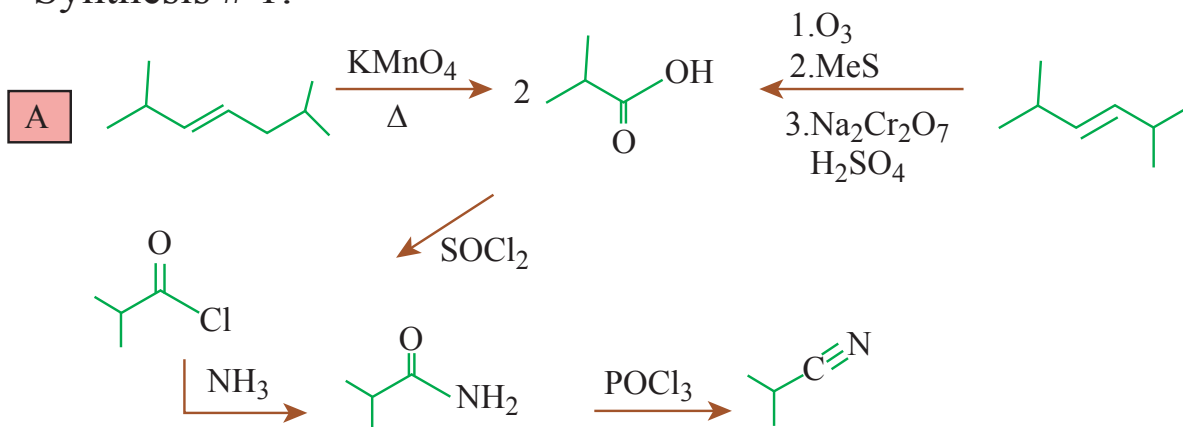


Figure by MIT OCW.

Name _____