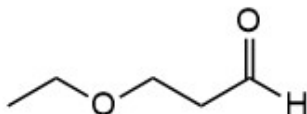




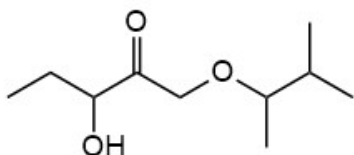
Chapter 19 Aldehydes & Ketones Part 1 – [Practice Problems](#)

Provide the IUPAC name
for the following compound.

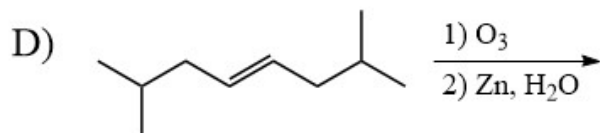
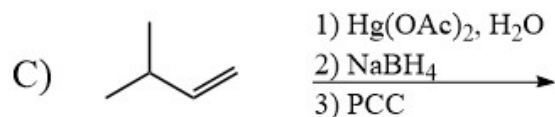
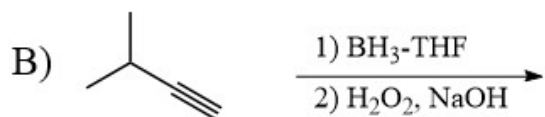
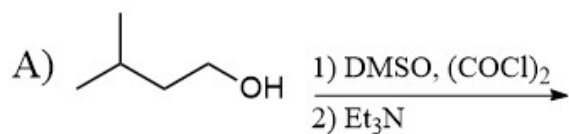
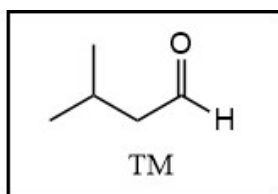
1



2



3 Which of the following
syntheses would NOT produce
the target molecule (TM) shown?



E) None of the above (all would produce TM)

4 Identify the suitable set(s) of reagents for the following synthesis.



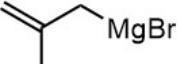
I 1. $\text{HC}\equiv\text{CNa}$; 2. $\text{BH}_3\text{-THF}$; 3. NaBH_4

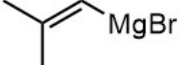
II 1. $\text{HC}\equiv\text{CNa}$; 2. H_2O , H_2SO_4 , HgSO_4

III 1. Mg ; 2. ethanal; 3. H_3O^+ ; 4. PCC

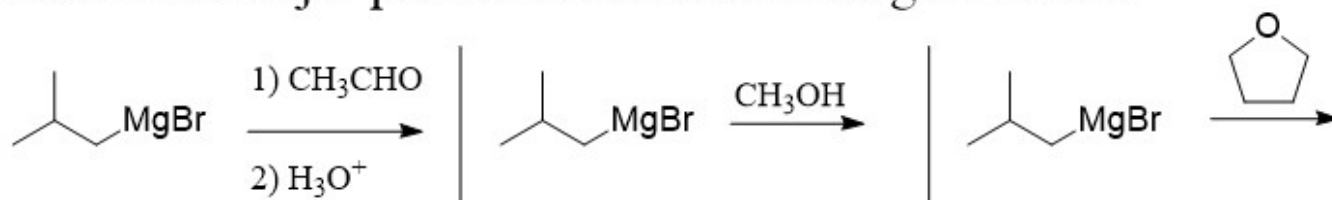
IV 1. Mg ; 2. propanone; 3. H_3O^+ ; 4. PCC

V 1. Mg ; 2.  3. H_3O^+ ; 4. PCC

VI 1.  2. H_3O^+ ; 3. O_3 ; 4. DMS

VII 1.  2. H_3O^+ ; 3. O_3 ; 4. DMS

5 Predict the major products for the following reactions.



6 Which reagents would be best to accomplish the following transformation?

