

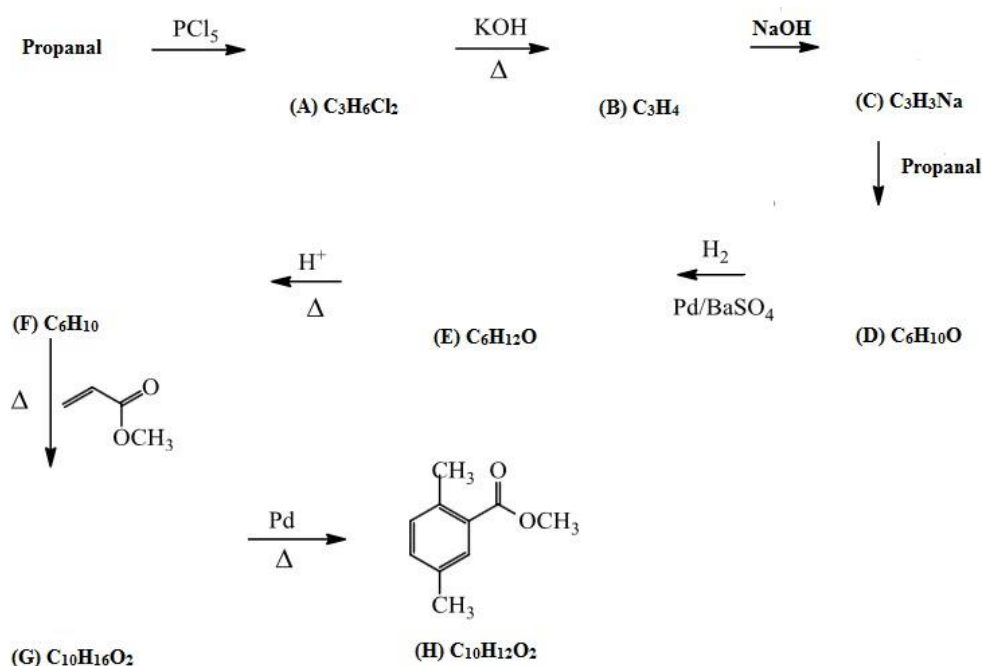
Exercise Series N° 4

Exercise 1:

Polyvinyl chloride (PVC), with the formula $-\text{CH}_2-\text{CHCl}-_n$, is a polymer obtained by addition.

1. Provide the formula of the corresponding monomer.
2. Calculate the molar mass M of this monomer.
3. The average molar mass of the polymer is $M' = 121,000 \text{ g}\cdot\text{mol}^{-1}$.
 Calculate the degree of polymerization of this polymer.

Exercise 2:



Exercise 3:

Reconstituer les réactions suivantes en remplaçant les lettres par les composés organiques correspondants :

