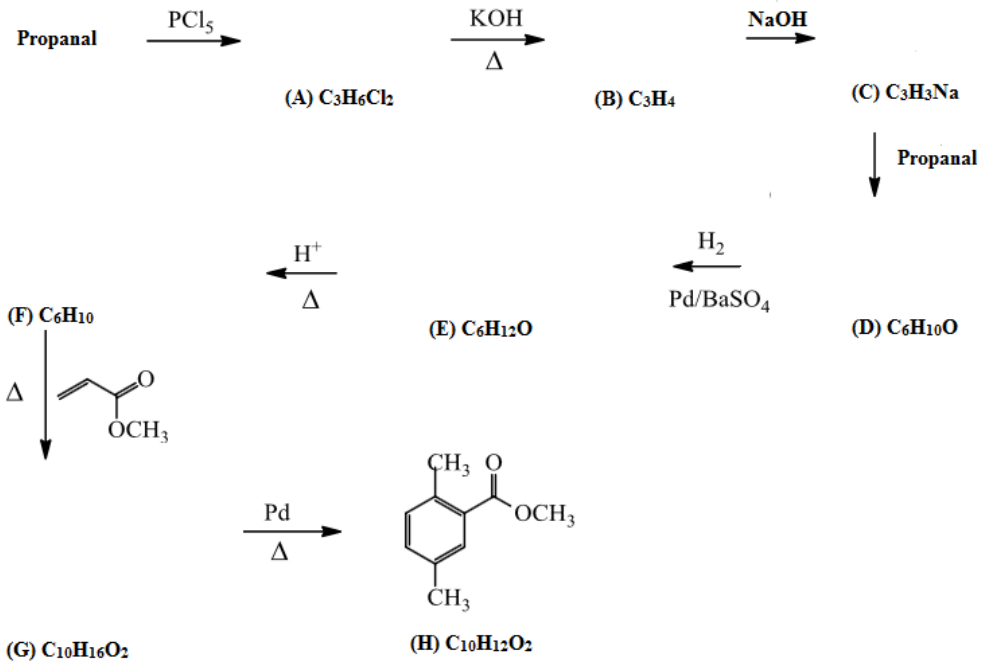
Series N° 4

Exercise 1

Polyvinyl chloride (PVC), with the formula **$-CH_2-CHCl-_n$**, 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 g·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 :