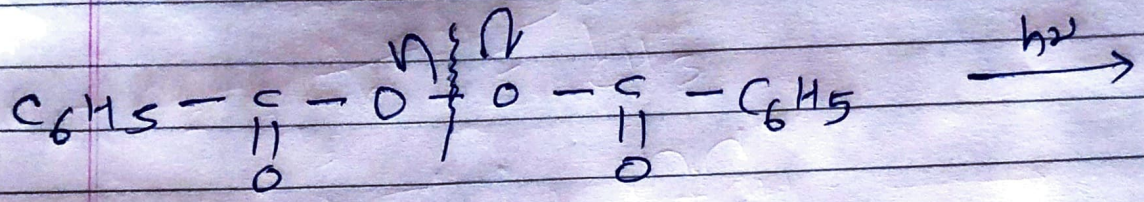
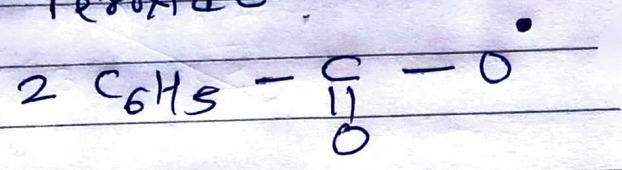


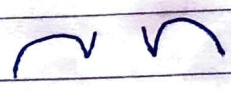
Generation of free radical


Homolytic
fission



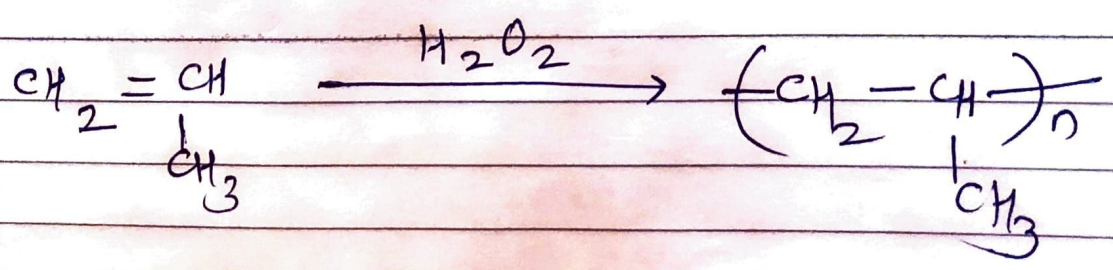
Benzoyl Peroxide



Half headed arrow :  movement of $1e^-$

Normal arrow :  ie. movement of $2e^-$

Formation of Polypropylene



Propylene

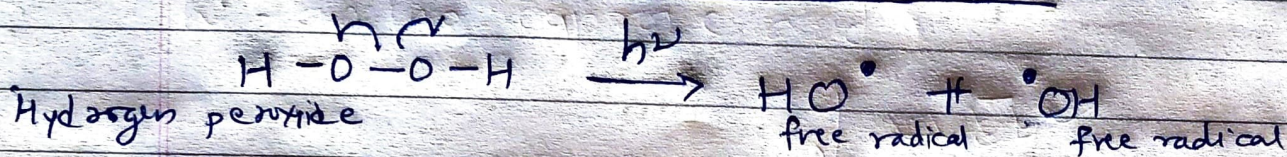
Polypropylene

PAGE NO. _____
DATE: ____/____/____

Classification of polymers based on POLYMERIZATION MECHANISM

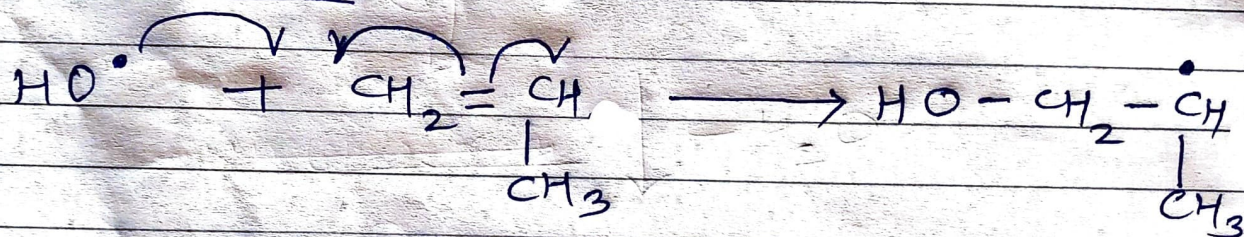
1) Chain Polymers Chain Mechanism

Generation of free radical

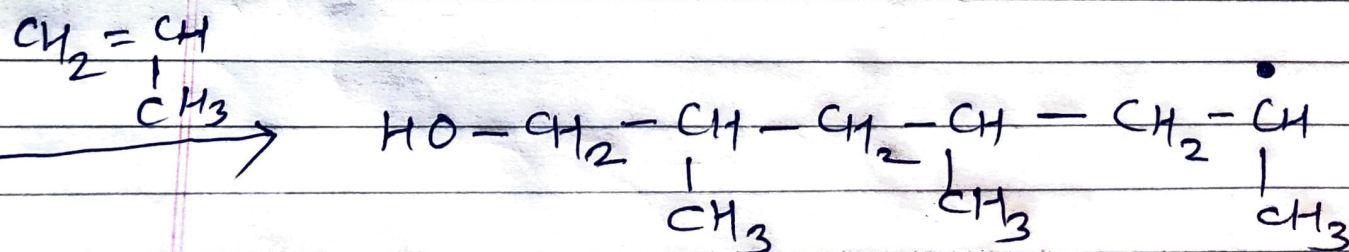
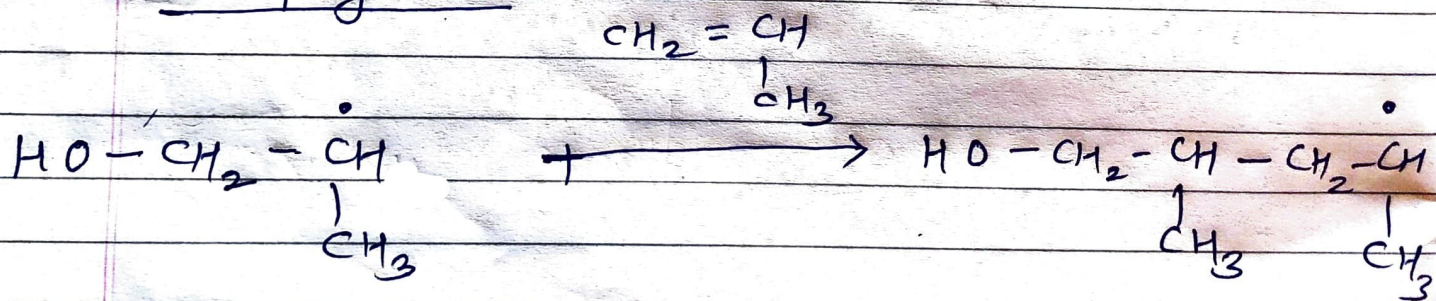


Steps involved

a) Initiation



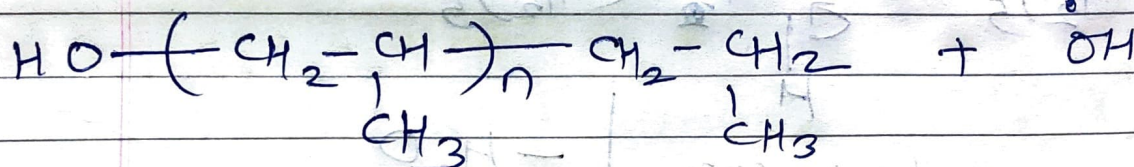
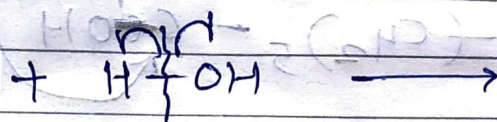
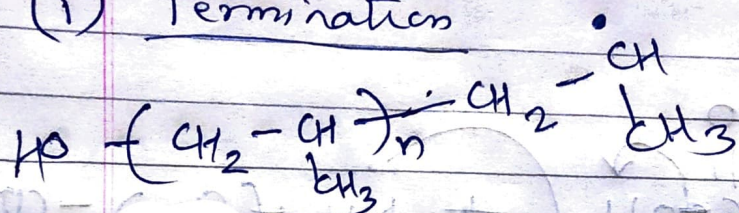
b) Propagation



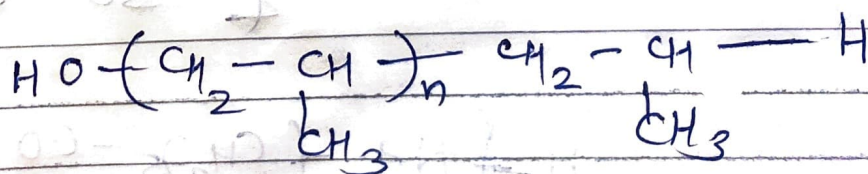
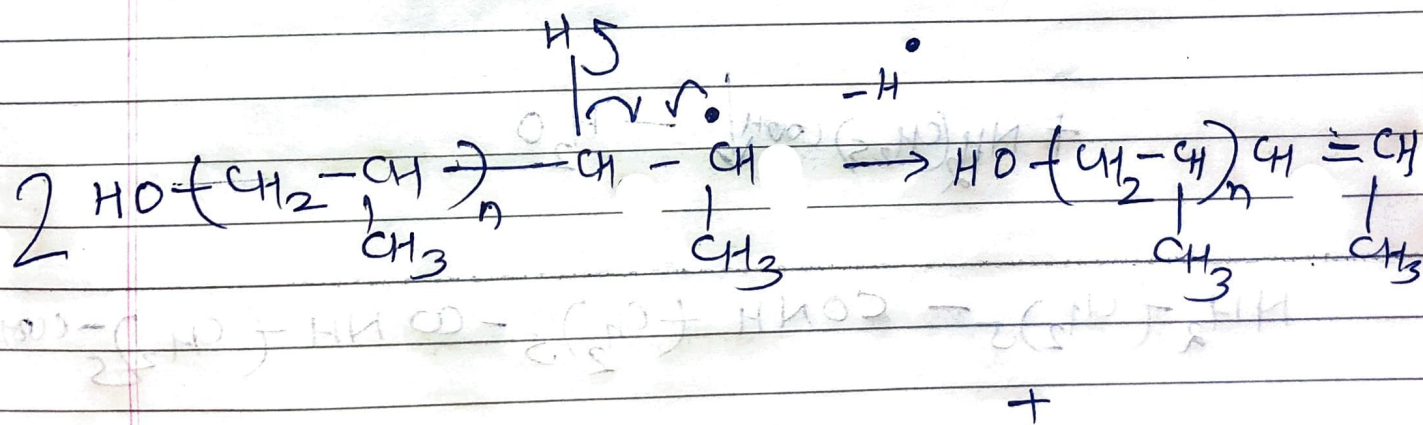
and so on

c) Termination

(i) Termination

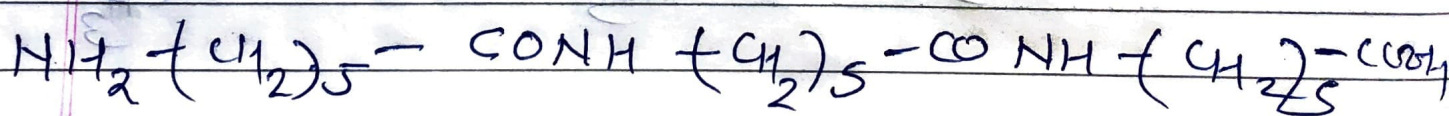
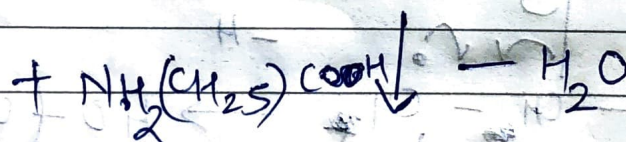
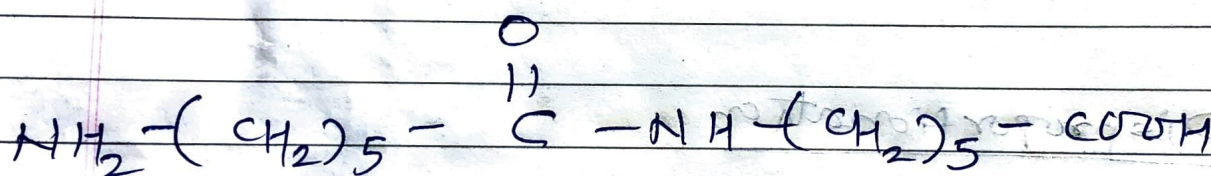
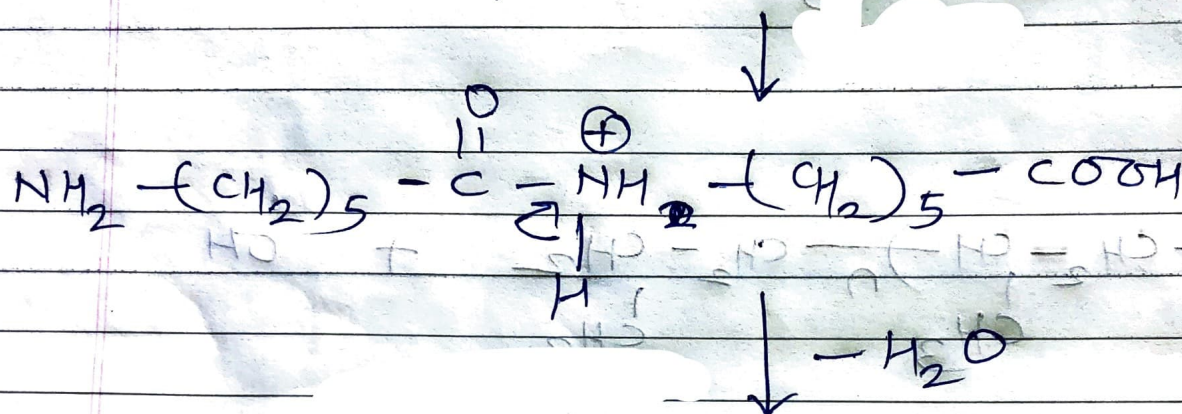
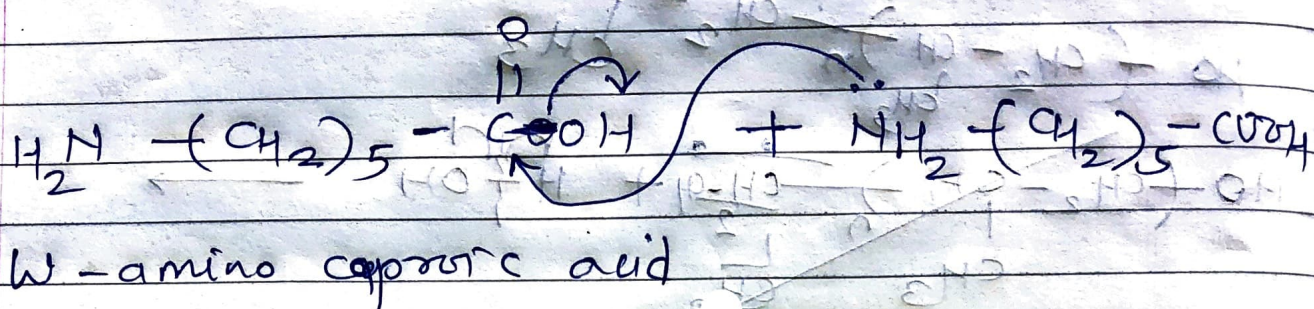


(ii) Disproportionation

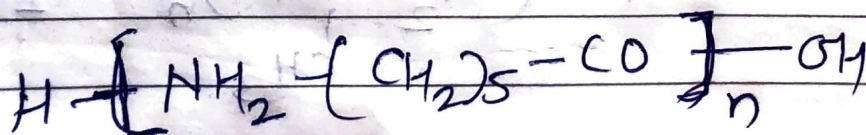


Regeneration of catalyst



Step Polymers

↳ so on



Nylon 6