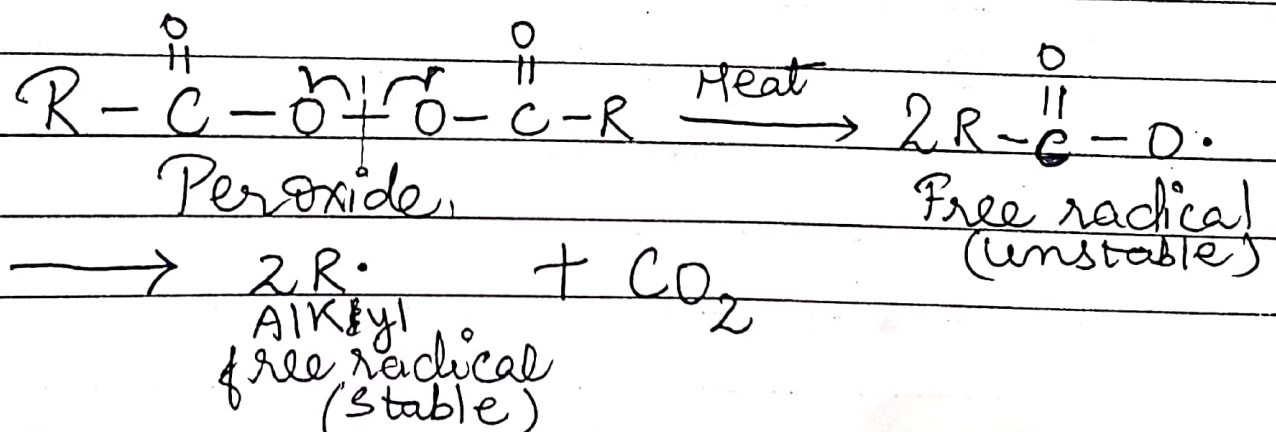
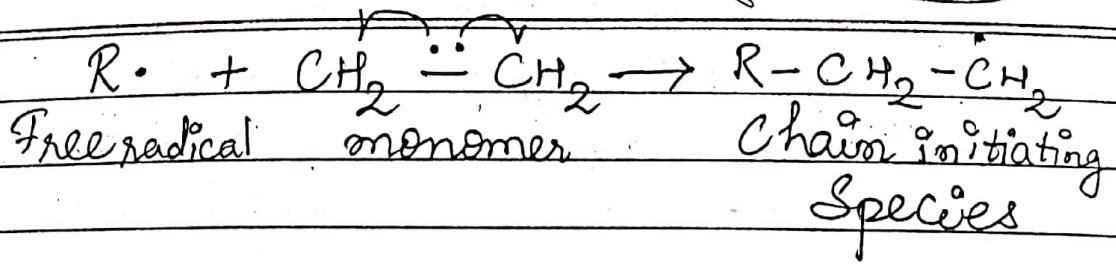


Mechanism of Free radical Vinyl Polymerisation

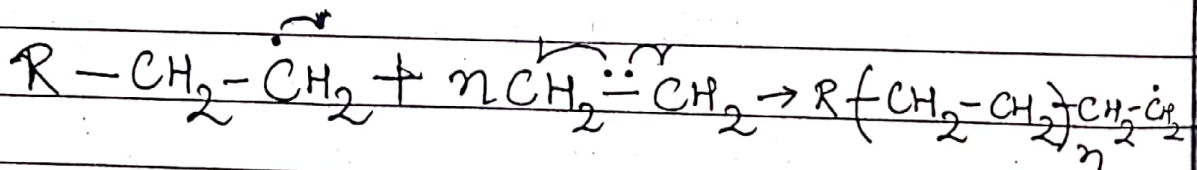
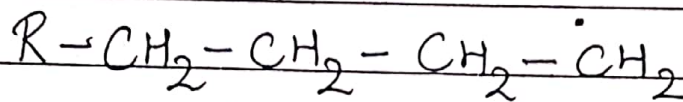
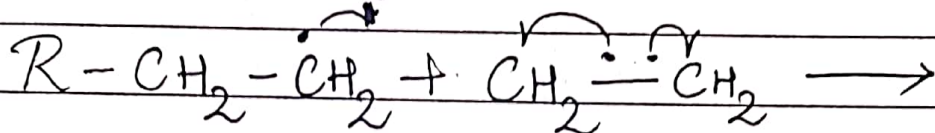
Free radical polymerisation is catalysed by organic peroxides. It is completed in three steps -

(i) Chain initiation → A free radical is generated from peroxide by Homolytic Fission. Therefore, free radicals are also known as initiators.





(2) Chain Propagation → Chain initiating species are grown by successive addition of monomer to give macromolecules.



(3) Chain Termination → In this process, the growth of chain initiating species stops by combination of two free radicals. Result is the formation of dead polymer.

