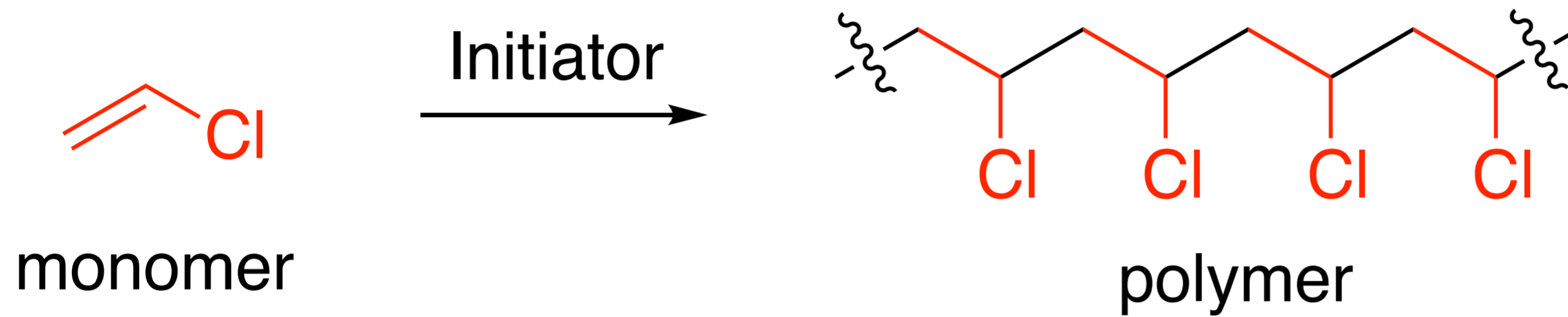
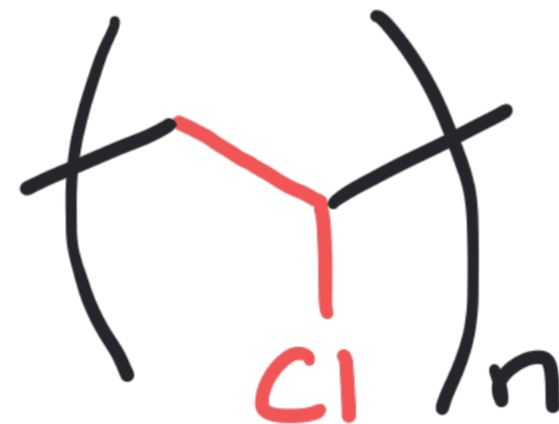


Synthetic Polymers



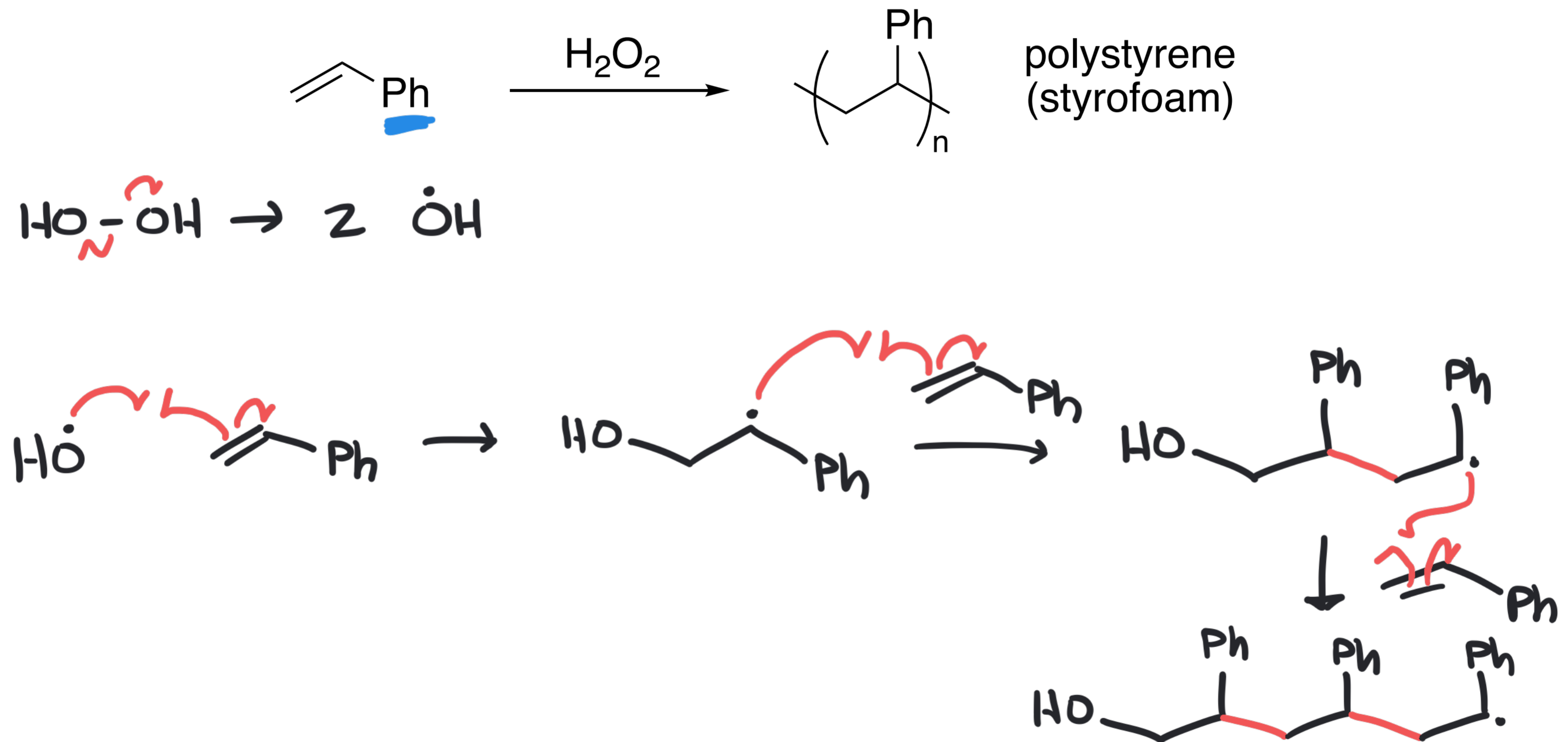
Classified as a chain growth polymer.



Synthetic Polymers

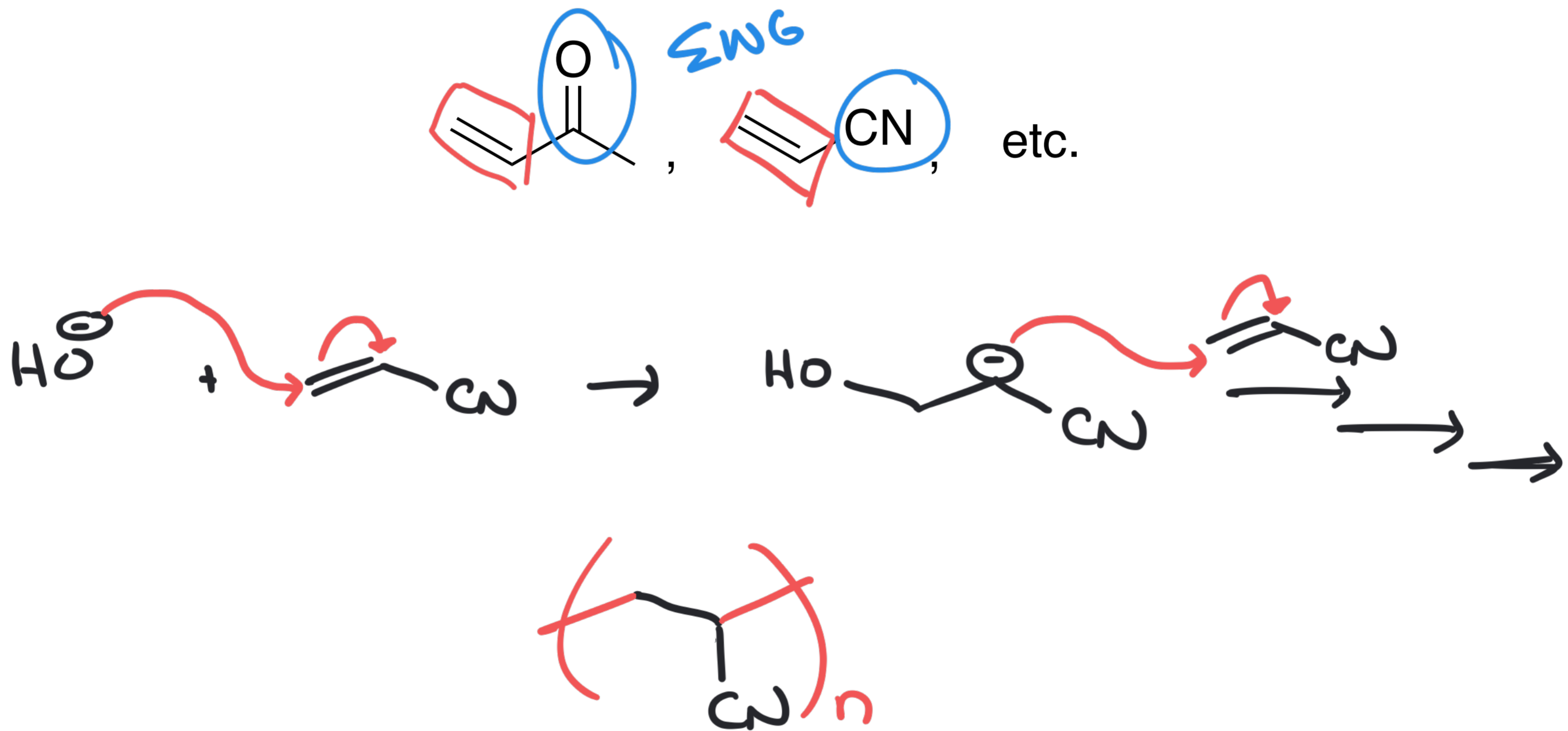
The initiator can be a radical, a cation, or an anion.

Mechanism for Radical Polymerization:



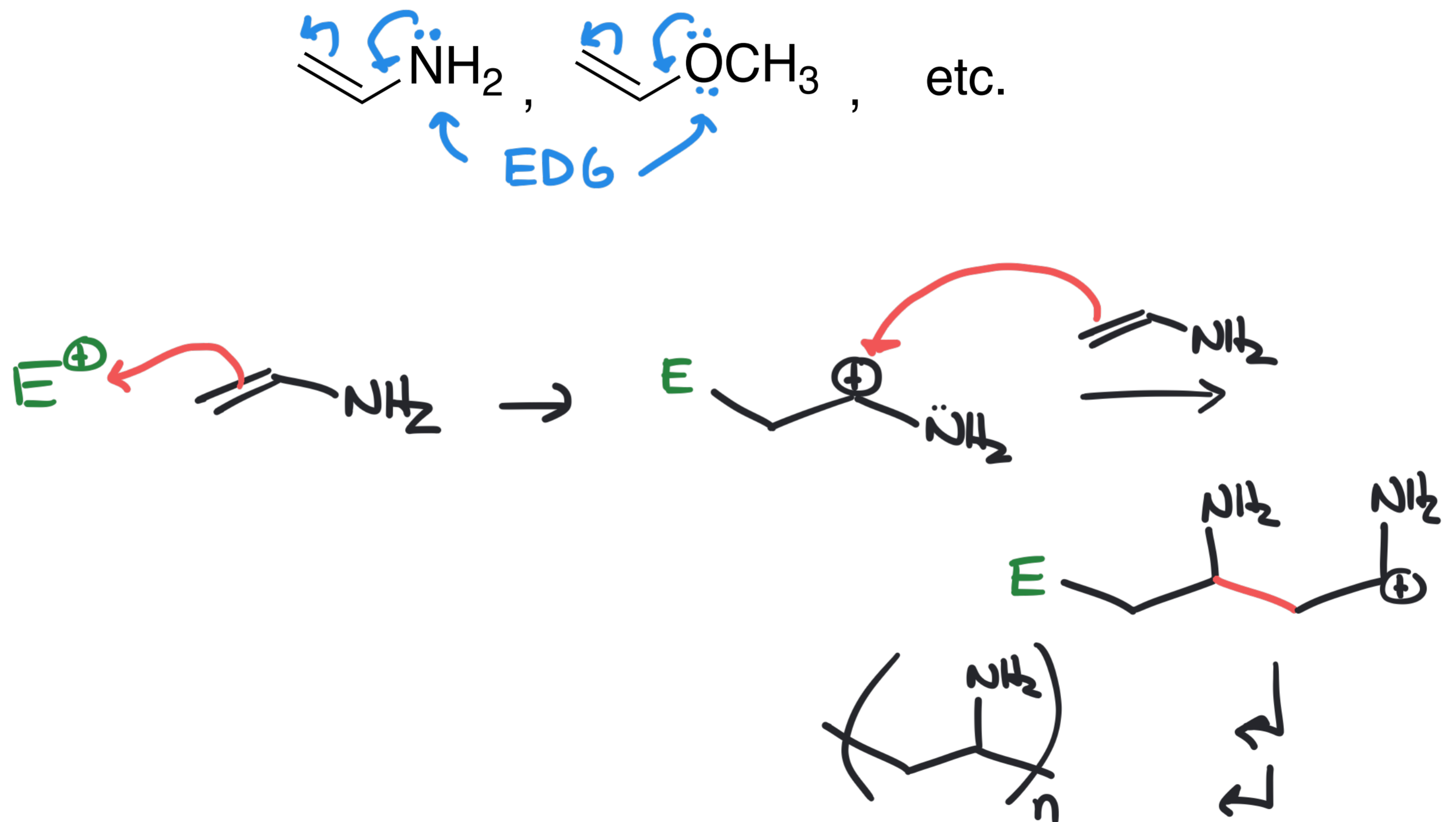
Synthetic Polymers

Anionic Polymerization takes place when there is an electron withdrawing group on the alkene.



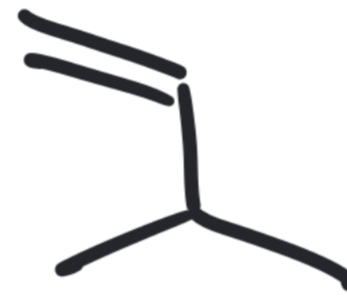
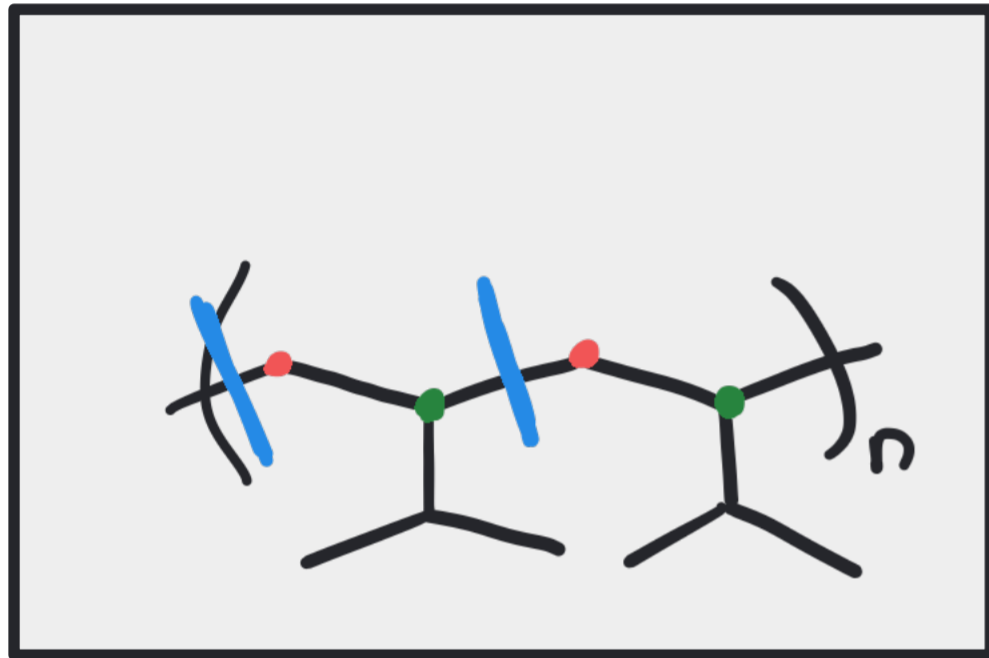
Synthetic Polymers

Cationic Polymerization takes place when there is an electron donating group on the alkene.



Synthetic Polymers

Identifying the monomer used to make the polymer



Synthetic Polymers

Ring Opening Polymerization

