

Polymerisation

- Poly – Many
- Meros – Parts

Naturally occurring Polymers:

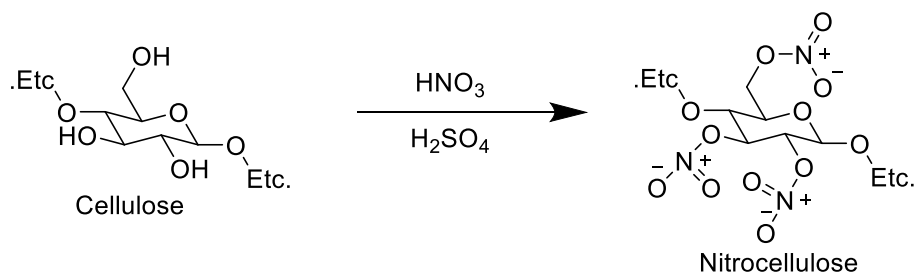
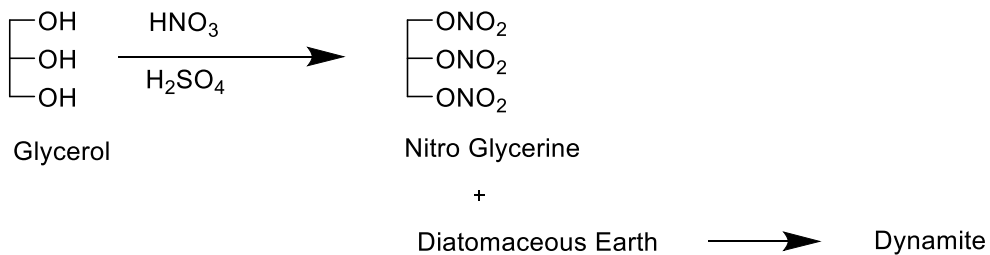
- DNA, RNA – Nucleotides
- Proteins – Peptides
- Polysaccharides – Sugars
- Fats, Polyketides – Polymers of acid

Monomer – Precursor of Polymer

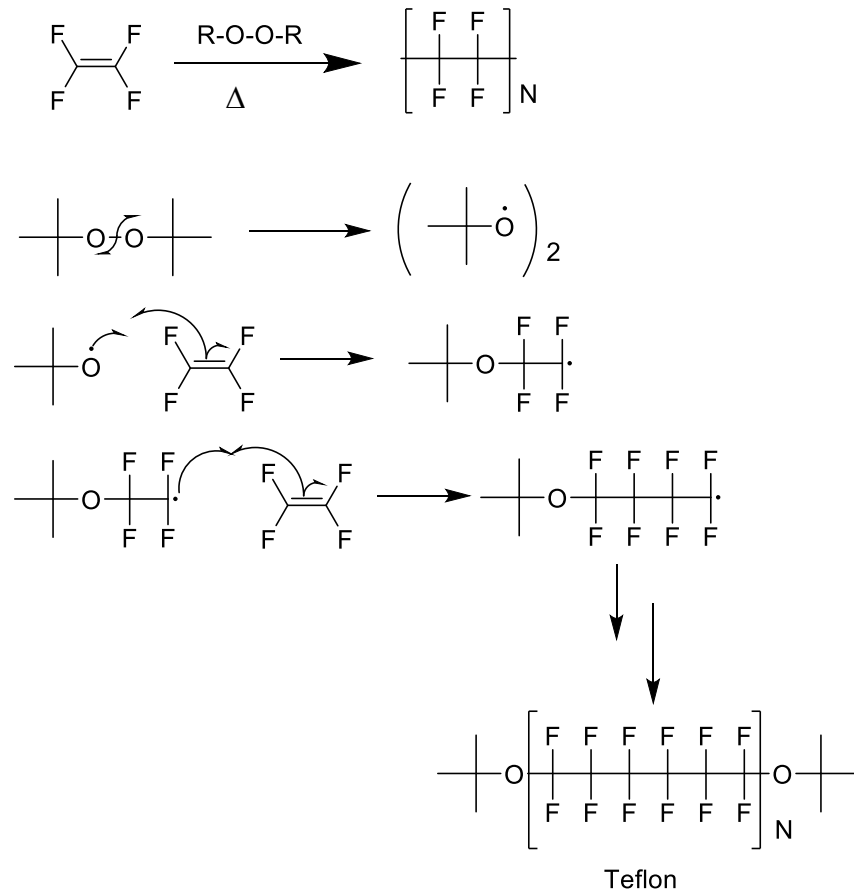
Dimer – 2 Units

Trimer – 3 Units

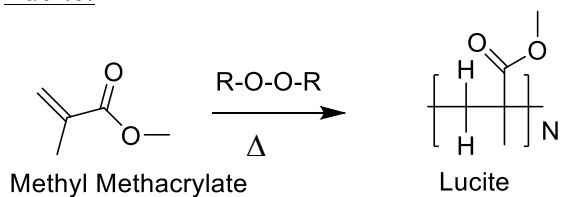
Oligomers – Many Units

Interesting Development of Gun Cotton:**Further development:**

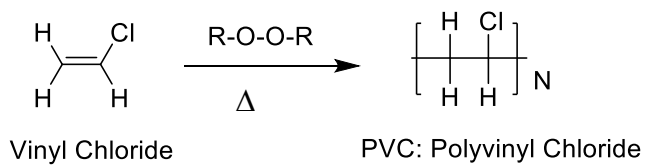
Teflon:



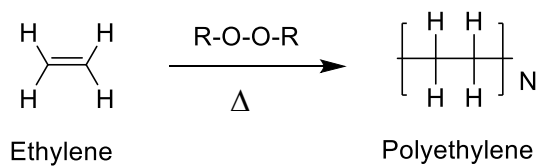
Lucite:



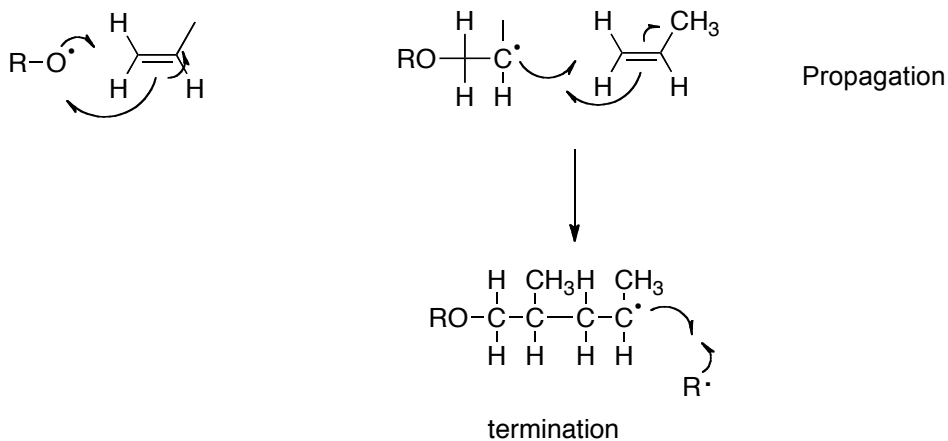
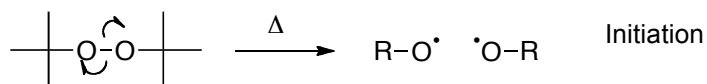
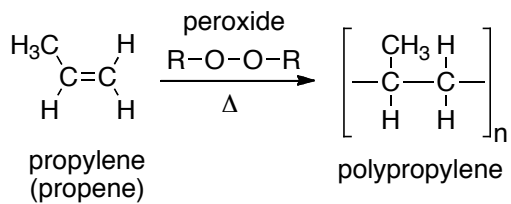
PVC: Polyvinyl Chloride



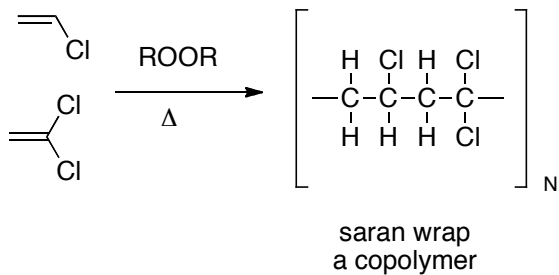
Polyethylene:



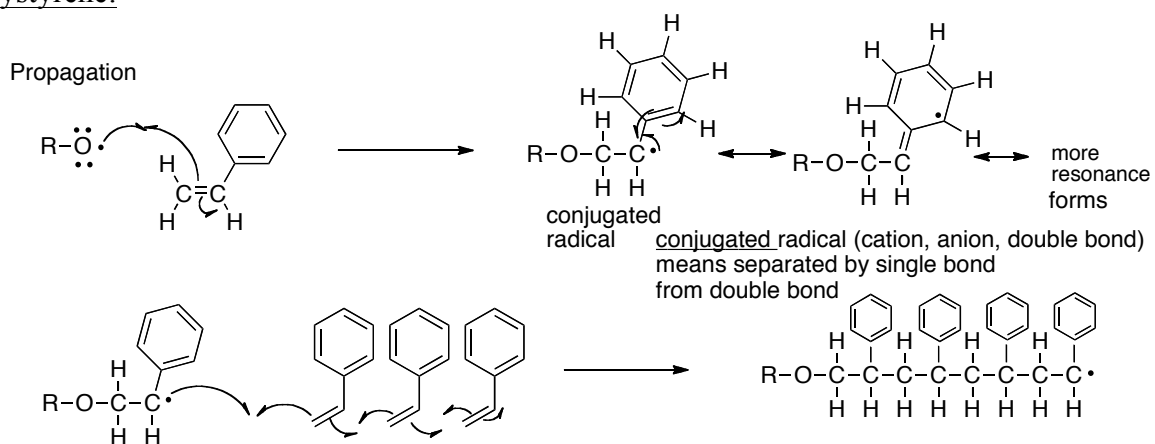
Polypropylene:



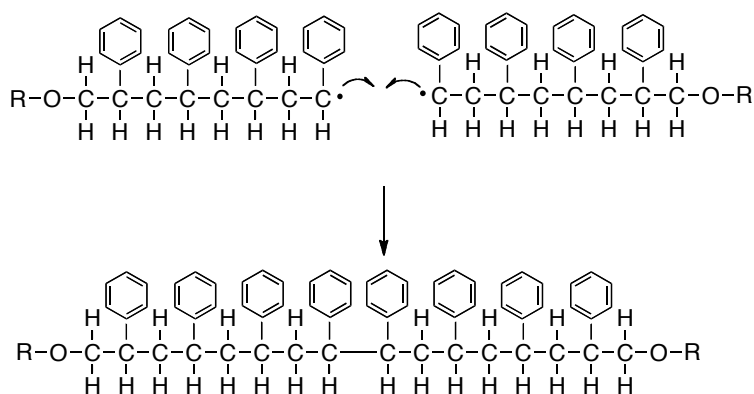
Copolymer: Saran Wrap



Polystyrene:



Termination



Or cationic acid catalysed mechanism:

