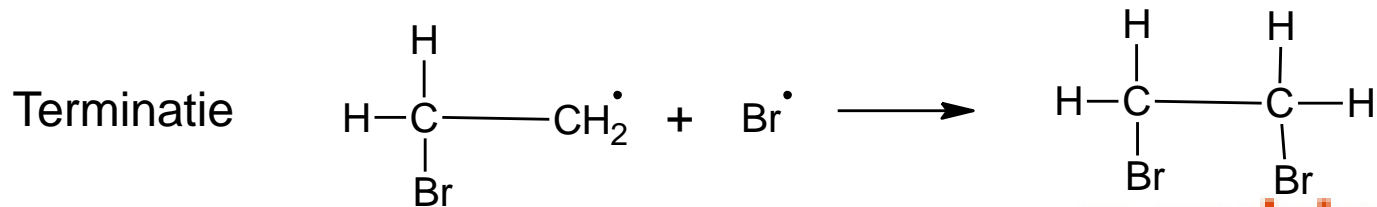
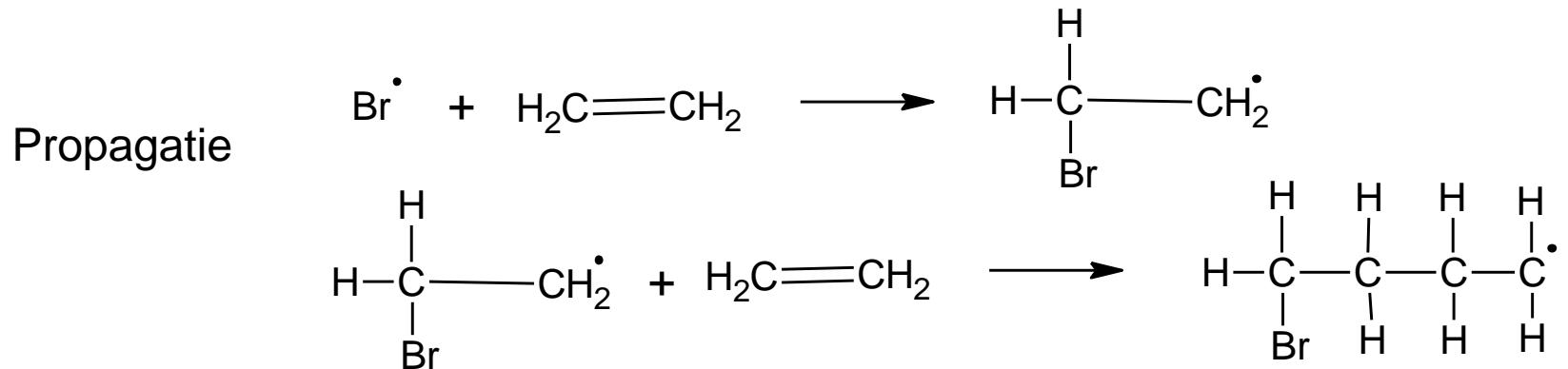
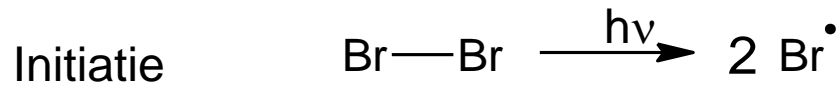


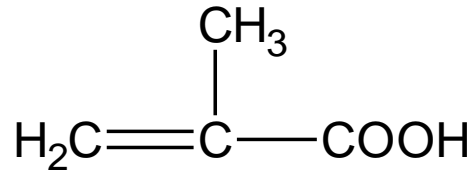
# Polymeren

- Additiepolymeren 12.2
- Condensatiepolymeren 12.3

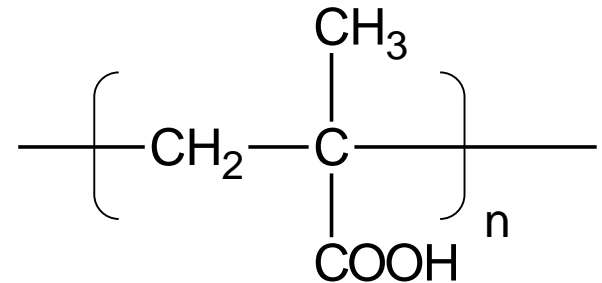
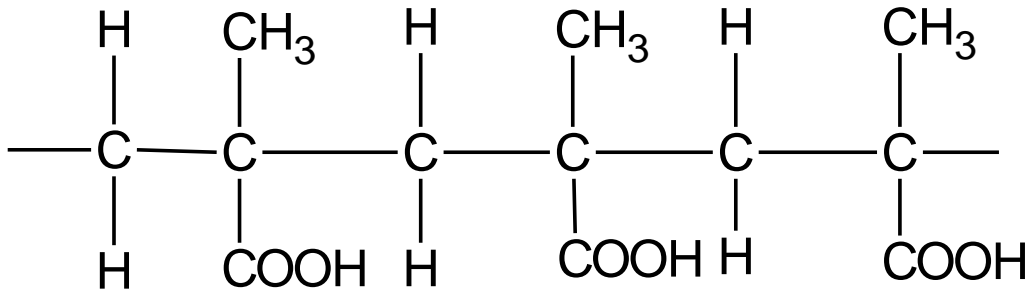
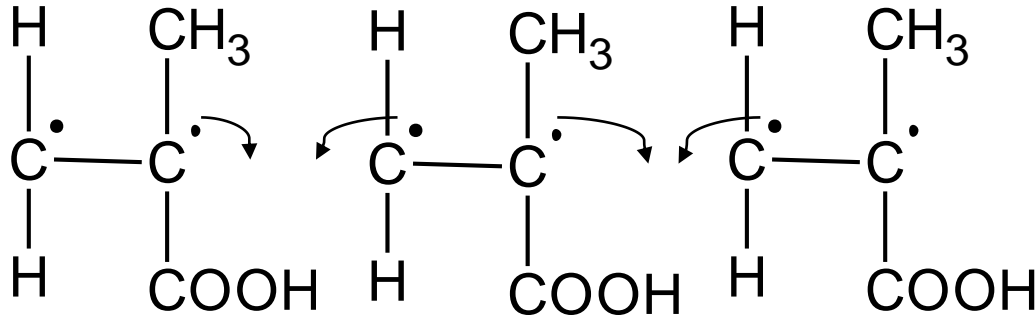
## Additiepolymeren



Teken polymeer van de volgende repeterende eenheid:



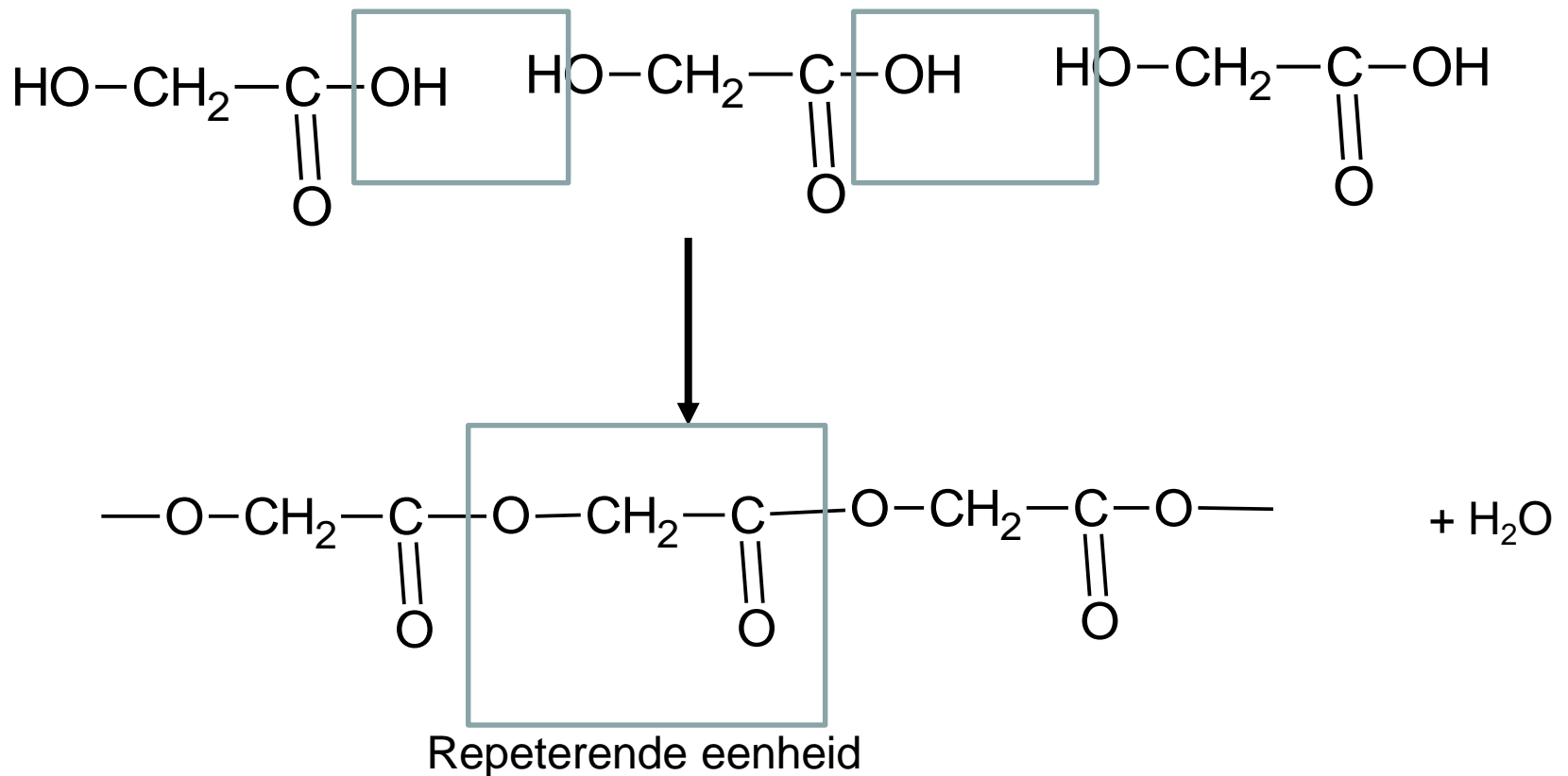
Alle groepen aan de dubbele binding naar boven en beneden zetten en de dubbele binding weglaten:



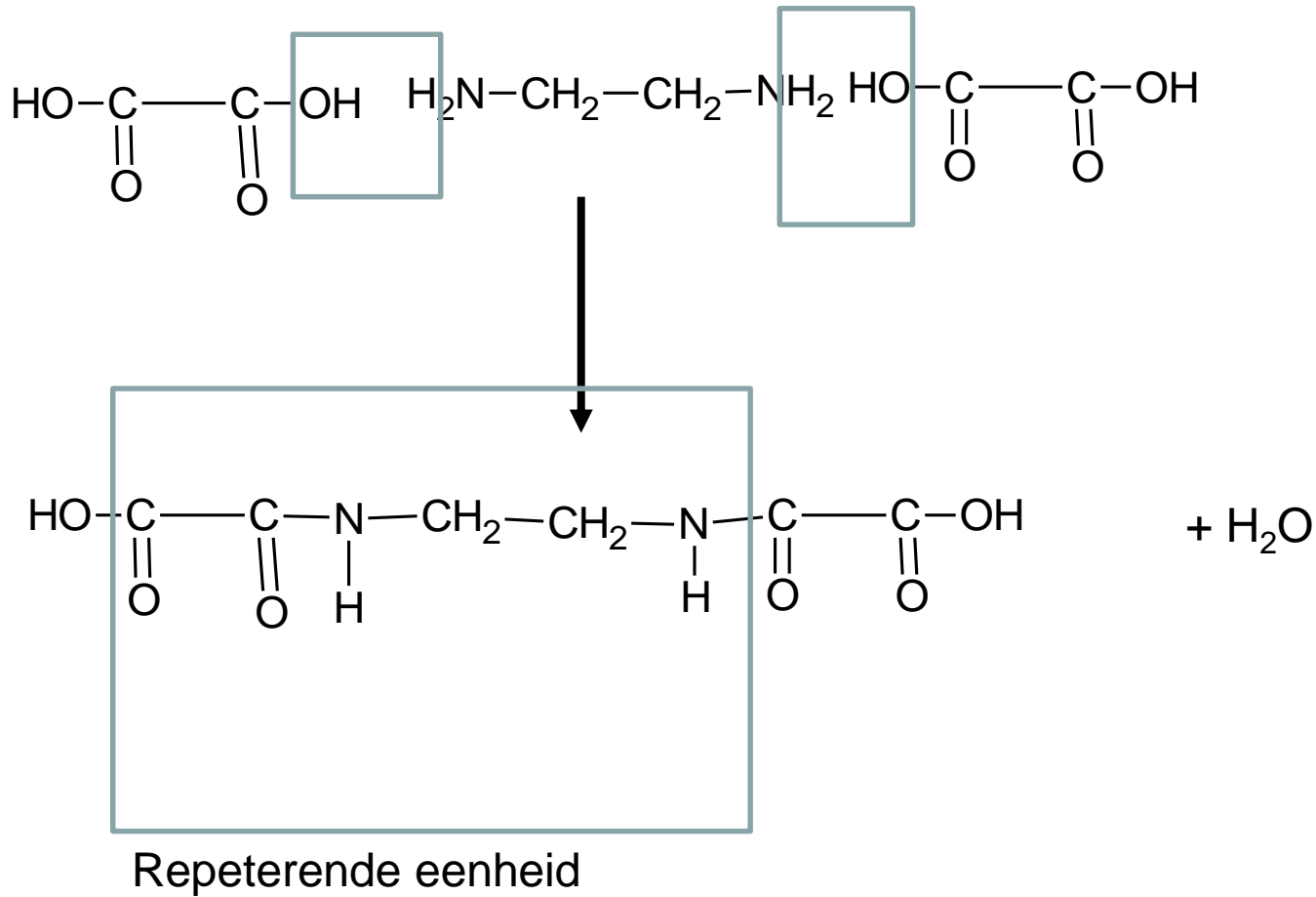
## Condensatiepolymeren

- Polyesters
- Polyamiden

Eèn monomeer: hydroxyzuur of aminezuur

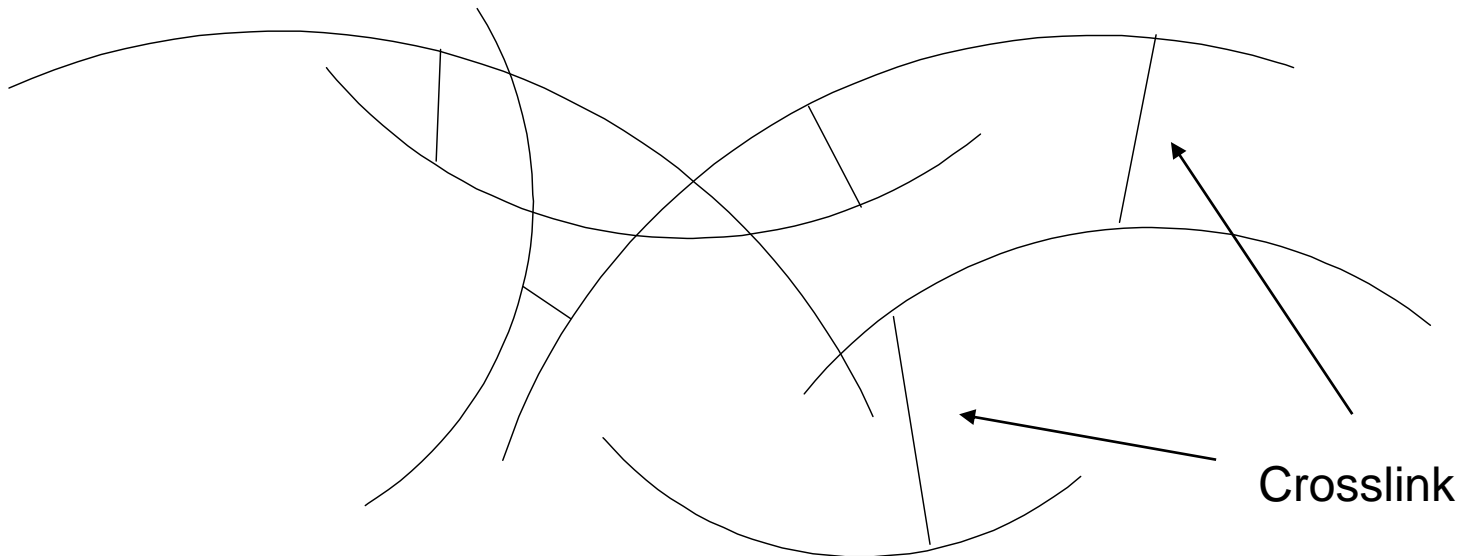


**Twee monomeren:** di-ol en di-zuur of di-amine en di-zuur



- Thermoplast: polymeer die bij verwarmen zacht wordt.
- Thermoharder: polymeer die bij verwarmen hard blijft.

Crosslinks: atoombindingen tussen de polymeer-ketens



Wanneer kunnen crosslinks ontstaan?

# 1,4-additie

