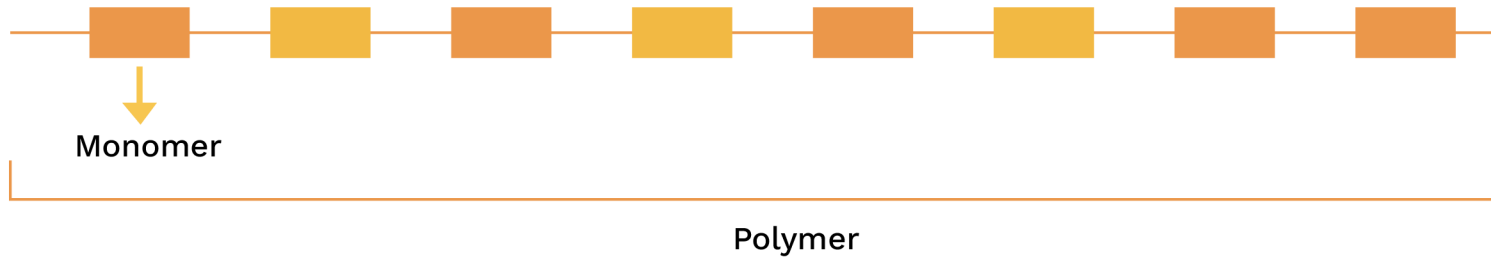


COMMON QUESTIONS & MISCONCEPTION

1 What is a monomer: Monomer are basic units that form the polymer

2 Polymer: Monomer join together to form polymer



3 Representation of polymer: $\left(\quad \right)_n$

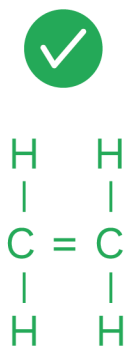
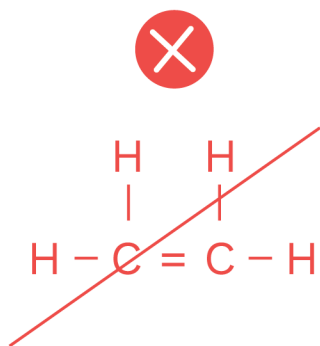
4 Repeat Unit: a unit that repeats itself — do not need to include any $\left(\quad \right)_n$

5 ~~$\left(\quad \right)$~~ ← No such representation!

6 Polymerisation Thinking Process

Addition Polymer

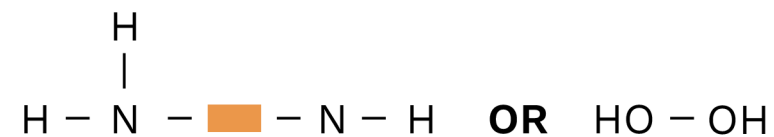
- Involves unsaturated monomer
- Must form H structure
- Must ensure nothing on left and right side of monomer



Condensation Polymer

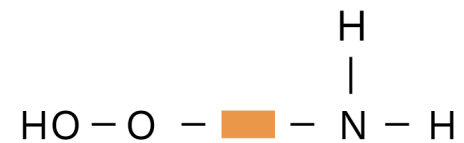
Type 1:

Involves two different functional groups
(Diacid and Diol OR Diacid and Diamines)



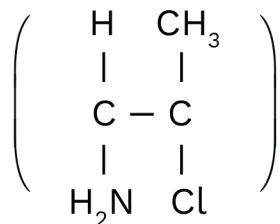
Type 2:

Involves only 1 monomer with 2 different functional groups



6 Depolymerisation Thinking Process

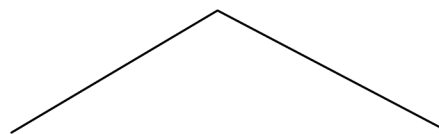
Addition



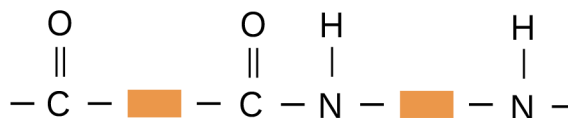
OR

Condensation Polymer

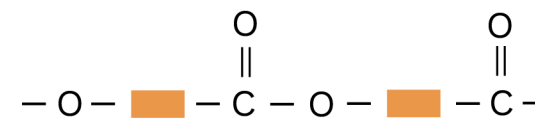
1 Find repeat unit



2 Type 1



2 Type 2

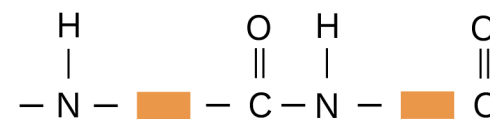


1 Find repeat unit

2 Remove 'wings' on both sides

3 Add back double bond

OR



OR

