

SC24 Polymers



Personal learning checklist | 1 of 1

GCSE Edexcel Separate Sciences | Chemistry Paper 2

Name _____ Class _____ Date _____

Tick one box for each statement. Red: need help. Amber: partly confident.
Green: can do independently.

I can	Red	Amber	Green
Addition polymers			
Explain monomers, polymers and high average relative molecular mass.	☐	☐	☐
Draw addition-polymer repeat units and deduce corresponding monomers.	☐	☐	☐
Polymer uses			
Relate polyethene, polypropene, PVC and PTFE properties to suitable uses.	☐	☐	☐
Condensation and natural polymers			
Explain polyester formation from diols and dicarboxylic acids and draw ester links (Higher).	☐	☐	☐
Compare addition and condensation polymerisation, including atoms retained and water released (Higher).	☐	☐	☐
Identify DNA, starch and protein monomers and distinguish natural polymers.	☐	☐	☐
Environmental choices			
Explain polymer persistence, resource use and possible harmful combustion products.	☐	☐	☐
Evaluate recycling, reuse, landfill and energy recovery using environmental and economic evidence.	☐	☐	☐

My next revision priority _____