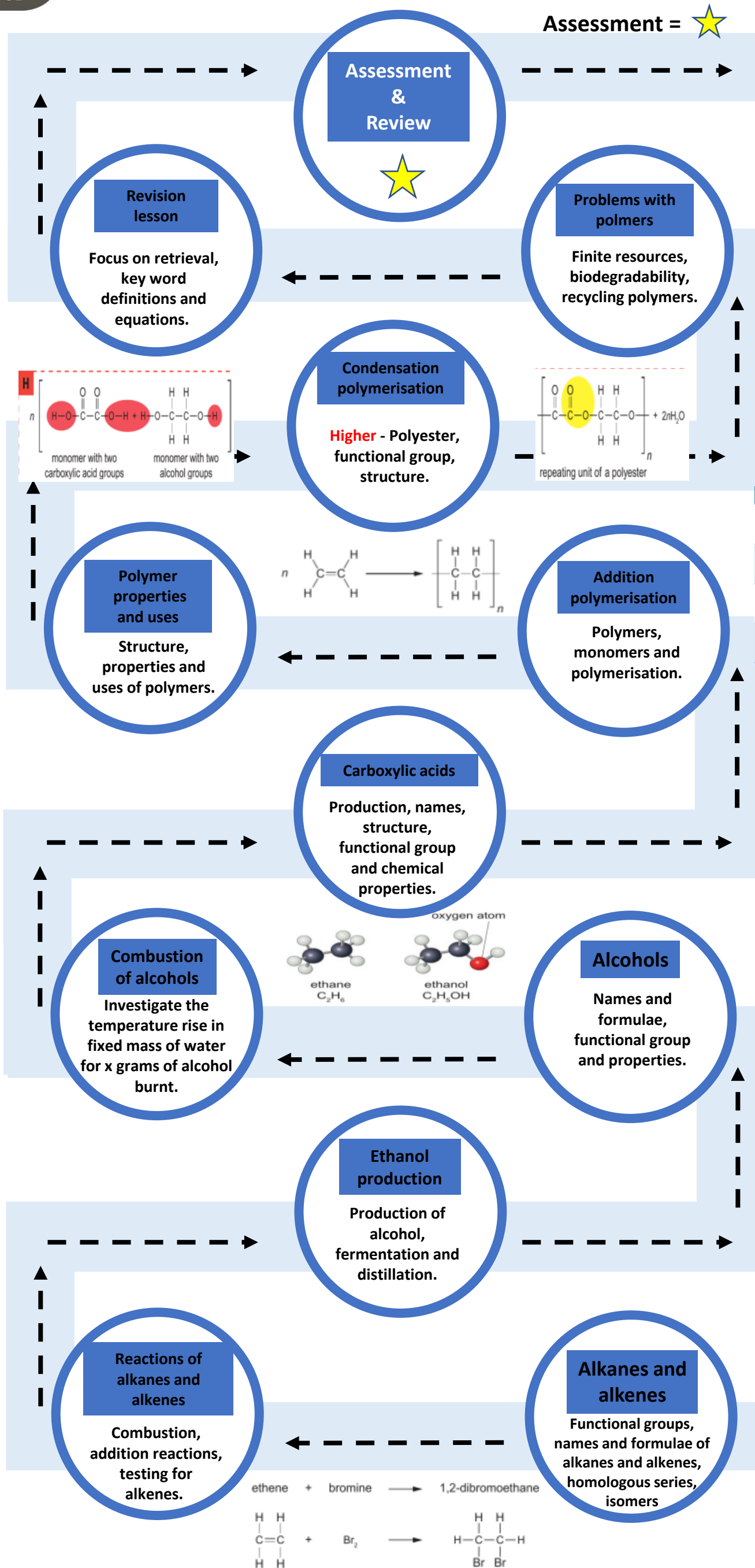




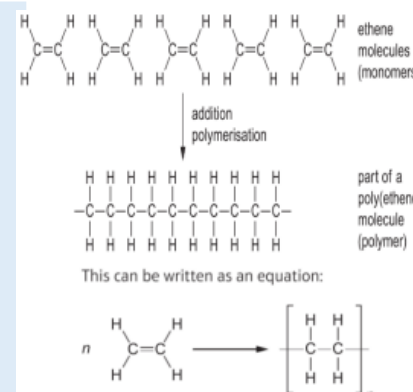
Keywords

Hydrocarbons, Alkanes, general formula, homologous series, saturated, alkenes, functional group, isomers, combustion, oxidation, complete combustion, incomplete combustion, addition reaction, fermentation, anaerobic respiration, fractional distillation, fraction, distillate, alcohol, carboxylic acids, oxidising agents, polymers, monomers, polymerisation, addition polymerisation, condensation polymerisation, repeating unit, natural polymers, esters, polyesters, non-renewable, renewable, biodegradable.



Assessment = ★

Apply:
Post 16 Organic chemistry



Name	Molecular formula	Structural formula
methanoic acid	HCOOH	
ethanoic acid	CH ₃ COOH	
propanoic acid	C ₃ H ₇ COOH	
butanoic acid	C ₄ H ₉ COOH	

Name	Molecular formula	Structural formula
methanol	CH ₃ OH	
ethanol	C ₂ H ₅ OH	
propanol	C ₃ H ₇ OH	
butanol	C ₄ H ₉ OH	

Name	Molecular formula	Structural formula
ethene	C ₂ H ₄	
propene	C ₃ H ₆	
butene	C ₄ H ₈	

Number of carbons in the chain	Prefix	Alkane	Molecular formula	Structural formula
1	meth-	methane	CH ₄	
2	eth-	ethane	C ₂ H ₆	
3	prop-	propane	C ₃ H ₈	
4	but-	butane	C ₄ H ₁₀	

Retrieve:
C1.3 Reactions
C2.3 Acids and metals
SC2 Fractional distillation
SC8 Acids and alkalis
SC12 Equilibrium
SC19 Heat energy changes
SC20 Cracking