Organic Chemistry

Specification statement These are the bits the exam board wants you to know, make sure you can do all of these…	**Self-assessment**		
	First review 4-7 months before exam	**Second review** 1-2 months before exam	**Final review** Week before exam
I can define the term hydrocarbon	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe the makeup of crude oil	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can give and use the general formula for alkanes	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can name and draw the first 4 alkanes	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall why we need to distil oil into fractions	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can state some uses for the fractions of crude oil	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe the process of fractional distillation	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall how boiling point changes with chain length	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall how viscosity changes with chain length	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall how flammability changes with chain length	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall the equation for complete combustion	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe the reasons why we need to crack long hydrocarbon chains	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe the process of cracking by steam and via a catalyst	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe the results of testing for alkenes with bromine water	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall and use the general formula for alkenes **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe alkenes as unsaturated **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can name and draw the first four alkenes **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall the equation for incomplete combustion **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can compare complete and incomplete combustions **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe the reaction of alkenes with hydrogen **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe the reaction of alkenes with water **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹

I can describe the reaction of alkenes with the halogens **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall the functional group for alcohols **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can name and draw the first four alcohols **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall the main uses for alcohols **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe what happens when alcohols react with sodium **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe what happens when alcohols react with oxygen **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe what happens when alcohols react with water **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe what happens when alcohols react with an oxidising agent **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe the conditions needed for fermentation **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall the functional group for carboxylic acids **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can name and draw the first four carboxylic acids I can recall the main uses for carboxylic acids **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe what happens when carboxylic acids react with carbonates **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe what happens when carboxylic acids react with water **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe what happens when carboxylic acids react with alcohols **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can name and draw ethyl ethanoate **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can define the terms monomer and polymer **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can explain the process of polymerisation **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can draw a polymer from a given monomer **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can draw the monomer from a given polymer **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹

I can recall that condensation polymerisation involved monomers with different functional groups **Chemistry only** **Higher tier only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall that condensation polymerisation involves the loss of a small molecules **Chemistry only** **Higher tier only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can explain the basic principles of condensation polymerisation **Chemistry only** **Higher tier only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can draw a polymer from a given monomer **Chemistry only** **Higher tier only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can draw the monomer from a given polymer **Chemistry only** **Higher tier only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall what DNA is **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall the structure of DNA **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can recall how DNA relates to amino acids **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can identify the two different functional groups in amino acid **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe how an amino acid polymerises **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹
I can describe the process of amino acids joining together to form a polymer **Chemistry only**	☺ 😐 ☹	☺ 😐 ☹	☺ 😐 ☹