C1 Topic 4 crude oil and fuels revision

Crude oil and fractional distillation	
1. Is crude oil an element, mixture or com	pound? Mixture
2. What is crude oil a mixture of?	Hydrocarbons/ alkanes
3. How do we separate crude oil?	Fractional distillation
4. In fractional distillation what happens b into the column?	efore the crude oil is put It is heated and vaporised
5. After the crude oil enters the column w	hat happens to it? The vapours rise and cool
What property of the compounds that r them separate	nake up crude oil makes The have different boiling points
Alkanes	
What happens to flammability (how eas get longer?	ily it will burn) as alkanes Decrease
8. What happens to the boiling point as al	kanes get longer? Increase
9. What happens to the viscosity (how run longer?	ny it is) as alkanes get Increase
10. Are alkanes saturated or unsaturated?	Saturated
11. What is the general formula for an alka	ne? CnH2n+2
Fuels and the environment	
12. What is the scientific word for burning?	Combustion
13. Name 2 products of burning most fuels	Carbon dioxide, water
14. If a fuel contains sulphur, which gas is n	nade when it burns Sulphur dioxide
15. Which gas causes global warming?	Carbon dioxide
16. Which gases cause acid rain?	Sulphur dioxide/ nitrogen oxides
17. Which gas is formed form incomplete co	ombustion of a fuel? Carbon monoxide
18. Which gas is formed at high temperatur	res from a gas in the air? Nitrogen oxide
19. How can we remove sulphur dioxide fro	m cars? Catalytic converter
20. Name a biofuel	Ethanol, biodiesel
21. What does 'carbon neutral' mean?	Overall, no Co2 released
22. What causes global dimming?	Solid particles (e.g. carbon)