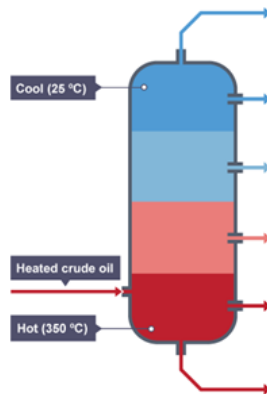


Key ideas: Organic Chemistry

1. What is crude oil?
2. Crude oil is a finite resource, what does this mean?
3. Definition of a hydrocarbon?
4. How is crude oil separated?

Fractional distillation

1. What is fractional distillation used for?



2. What sized hydrocarbons vaporise first?

What happens to these hydrocarbons as they go towards the top?

3. Give some examples and uses of the hydrocarbons that vaporise first

4. Give some examples of hydrocarbons that condense towards the bottom.

Burning fuels

1. What is needed for complete combustion of fuels?
2. Write a word and symbol equation for the complete combustion of ethane C_2H_6
3. Why does incomplete combustion happen?
4. How are the products different?
5. What is the test for carbon dioxide?

Alkanes

1. **Alkanes** are saturated, what does this mean?
2. What is the general formula for an alkane?
3. Give the name and formula of the first four alkanes
4. Draw an example

Properties of hydrocarbons

	Short-chain hydrocarbons	Long-chain hydrocarbons
Boiling point		
Volatility		
Viscosity		
Flammability		

What does 'cracking' mean?

What is the other term for this?

Alkenes are unsaturated, what does this mean?

Draw an alkene

How can you test for an alkene?