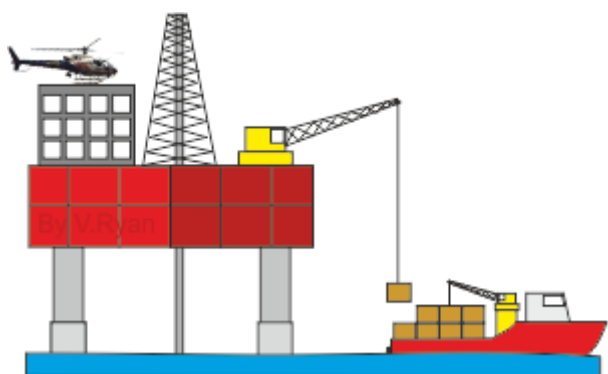




OIL RIG - CRUDE OIL

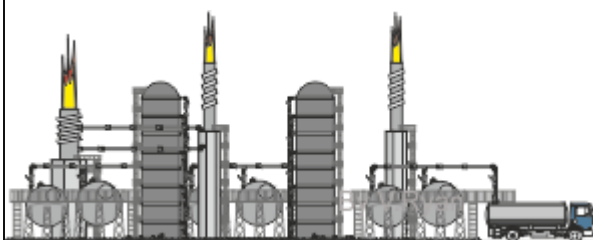
Crude oil is a naturally occurring hydrocarbon.



Crude oil is found deep underground. Oil reserves are extracted by oil rigs on land and on the oceans / seas. On land, 'crude oil' is piped directly to refineries. Huge oil tankers often transport crude oil from oil rigs at sea, to refineries.

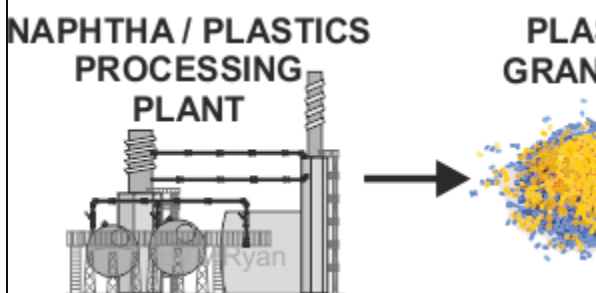
Crude oil is a valuable commodity, as it can be refined (distilled) into fuels, chemicals and processed into plastics. Crude oil is difficult to find and expensive to extract.

CRUDE OIL REFINERY AND DISTILLATION



Refineries 'distil' (distillation) crude oil, manufacturing gas, petrol, diesel, heating oils, naphtha (important for plastics), ethylene and polyethylene. Bitumen / asphalt is also produced.

Naphtha is processed into 'plastic' granules, in a processing plant.



FACTORY MANUFACTURED PRODUCTS

Many types of plastic granules are manufactured. They are used in turn, to manufacture a vast range of products.

PLASTIC PRODUCTS



QUESTIONS

1. How is crude oil extracted from underneath the ground and transported to refineries? *3 marks*

2. Why is crude oil a valuable commodity ? *2 marks*

3. What is the name of the process used to convert crude oil, into useful chemicals and fuels ? *1 marks*

4. What happens at an oil refinery ? *2 marks*

REVISION CARDS - CRUDE OIL TO PLASTICS

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