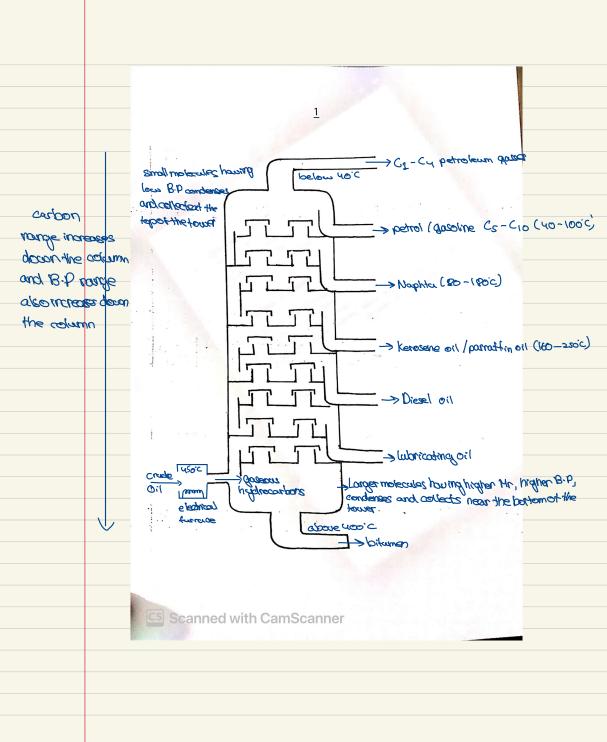
| Uses of Alkanes | |
|-----------------------|--|
| | and indudrial fuel |
| | portant halogenatical compounds |
| | V |
| List the Possil fuels | |
| 1= Petrokum | |
| 2= COal | |
| 3- Natural Gras | |
| | |
| What is the comp | aition of petroleum |
| | auton dicho ni zerrez enas la este mont yteans 2 roduco culpy to suut |
| gas is also disso | red. |
| (5 3555 51 355 | |
| Name the main co | nstituent of natural gas |
| Methane | |
| | superflowers a second to enable as a superflower a second contrate |
| | eclideathe consumers. This is to dehect any lealinge as meditione is flammable |
| | to mintage withour |
| 0.000.200.000 | |
| | |
| Fuel | |
| raer | |
| Petroleum | |
| | leam. an action on by American to an exist a sister and according to |
| • | rice - To this mirrouse of budge control some notional gas is also dissolve |

a mixture of different hydro on bore mody handering as the industrial design of also graphed

relianzation interpolated for any anti- according to the separation of several distribution interpolated and anti-Sucreto of hydro confour copy functions What is a fradien? A group of molecules with a defined boiling point range which distant of at the same place during

Anchional distribution. The Proctions are seperated due to different boring range



Explain how and oil is seperated into valuable function? They are seperated by fractional distribution. The petroleum is heated in an electric farnace to wai 2. The tractionating column is hotter at the bottom-than let the top. 2. The hydrocarbon vapours are introduced into the column. as they man up the column until they reach the temporature at which they condense. 5- The distance they rise depends on their B.P 6= The larger hydrocorbone house higher B.P than the smaller and scotling will condense near the bottom at the tower. The smaller molecules having lower BP will conclude up the tower

Uses of each fraction

Petroleum -> fuel in cars

Naphtha -> chemical feed stock (Makes plantic) Kenosene Oil > Jet fuel Diesel oil > fael for dieselengine

tuel oil fraction > Fuel in ships and home beating systems Who is a substant and it is used to make wax and poish who is a substant 0 in 0

(Esphalt (weed in making nead surface)

Petroleum Crases > wedin heating and cooking some & Refinery Cras

Explain how the above fractions differ in

1) volitility 2) flammability Phisosity (8

a) colour (going from top - bettom) Hs the boiling range at the fraction increase udalility decreases, thumblify decreases, viscosity increase colour darkons

Note: Carbon chain length increases from top-bottom

Name for fuels existible in motor cours but does not come from panoleum?

1: Hydrogen 2- Ethanol

Alkene

Elements present: Carbon and Hydrogen only Type or hydroxamon: Unsaturated Functional Group: ><=<

General Formula: Cotton

Sources. 1) Alkane -> Catalytic Gracking (Inductival Method)
2) Alkano -> dehydration (lab method)

Name Formula & Physical State Of the Rollburg alleas

| | hut-1-ene | Pent-2-ene |
|--------------------|--------------------|---|
| mckcular Formula | Cutte | C.s. Ho |
| emperical formula | CH ₂ | CH2 |
| displayed formula | C=C-C-C-H H H H | H - C - C - C - H - H - H - H - H - H - |
| Conclenced Formula | CH2=CH CH2. CH2 | CH2. CH=CH. CH2. CH2 |
| State | Gias | Liquid |