FOSSIL FUELDS Fassic fuels are natural fuels such as roal & crude oil formed from & anaerobic decay of dead plants & animals that lived million years ago There are used as a wource of fuel. These organisms decompose under high temperature & pressure over a period of million, years and were converted to crude oil, coal and natural gas. This process & decay occurred in deep layers inside the earth. Crude oil is also known as petroleum. The word petroleum is derived from à latin words "petrol which means "mack" and leum which means oil" Petroleum is a dark brown or green ich viscous inflammable liquid made up of a complex mixture of several hydrocarbons. upas of Fassil Fuels They are mainly three different types of fossil fuels i-e > Natural gas - Oil / Crude oil Natural coal tossil fuel defines & way they are formed however fossil fuels have many physical & chemical properties in common include: All are natural revoluces > All are vowerer of energy All are non-renewable Fuel: This is a substance that produces energy in form of heat, light or electricity.

Coalils a black rock light solid obtained as a fossil Ende oil: le a thick dark brown or black or green Natural gas: le a fossil fuel formed from gradual decomposition of fossils. Stages of formation of fassil fuels Plants & animals in ocean Sand and with Plants and animal remains Sand & wilt rocks, oil and gas deposit. Description Plants & animals die and become buried at the bottom of the ocean at the bottom of the ocean with layer of sand and wilt. After million's of years, and after more and more layers of rand and wilt or rediments become deposited on these remains a organisms and they become buried deeper & deeper. Then there remains become compressed under high pressure and heat due to weight of the layers and are converted into oil and natural, gas NOTE: Coal informed by the action of heat and pressure on the remains of trees and plants on land over millions of years but crude oil is formed by the action of heat and pressure on & remains o sea planta & animals over millions & years. Oto Why do fossil fels/contain carbon? fassil fuels form/rings and cyclic They form long chains 2 Why are there fuels known as fossil fuels. They are formed from anaerobic decay of dead plants and animals that lived million years ago:

Why do fassil fuels contain carbon They are produced from plants and animals which form Carbon My are these feels known as fassil feels. Coz they were formed from fassils which were lived a million oyears ago and decomposed under high heat and pressure. Whyo HOW FOSSIL FUELS ARE EXTRACTED There are two main methods of extracting fossil fuels from the ground and these are; Mining · Drilling Mining: is the extraction of volid foscil fuels from the ground earth e.g coal is extracted by digging underground or scraping from the surface. Drilling: k a cutting process in which a drill bit is wed to cut or enlarge a circular hole in a volid material Crude oil & natural gas can easily be forced to floor to the vurface using drilling method. FOSSIL FUELS AS A GOURGE OF EMERGY Oto Why are fossil fuels wed as a vource of energy " Austassil fuels are used as a vource of energy because of their ability when burnt = Fauil fuels are also cheap and easy to use. > This energy may also be in & form of electricity Uses of fossil fuels

jes of crude oil War of natural gas Uses of coal for generation of Used as a vource of - Used in air conditioning heat energy. machine for making fucks for - Used for generating - Used a a fuel for rehicles and jets cooking in gas wholes electricity . For producing many and heat in water at - Used in making other weful rubstances home & industries products like dye products called petros - Used to generate electric medicines, soap hemical products like ty which is used in gold and napthaleine plastics, lubricants, refineries, aluminium balls medicines and deterget and liter industries Used to make explain for making fertilises - For producing fertilises, es, roofing materials and perticides dues, paints and solvents Natural Gas Natural, gas which is mainly methane is compressed at high pressure into liquefied form turning into liquid and is transported as Compressed Hatural gas. (CNG) The advantage of wing natural, gas is that it is less polluting than crude oil, coal, petrol and dievel. Unlike natural gas, coal consists of elements like S, H and O. Those elements are very reactive. This is why coal is highly comburtable and also a heavy pollutont Coal is a cheaper source of fuel than natural gov or crude oil and as a result is used by many countries. Other uses of fassil fuels Different Kinds of fuels -Abiation -Diesel -Propene gas -Petrol -Paraffin The benefits of these fuels include: For lighting in paraffin candles & paraffin lamps For running engines of rehicles, generators for cooking in paraffin cookers and in gas wtover For metal umelting & welding Fortarmading roads

The bi-products of crude oil are wed to produce various prochemicals like far for turmacting roads, paint plastics, manufacturing Match the following We Product of Paints and tarmacking roads crude oil Fuel for home and industry Gas Ointments, candler & raudine Petrot Bitumen Cog crude in Motor fuel and aviation fuel Paraffin wax Why fossil fuels are regarded as Non-renewable > Fassil friels cannot be replaced by natural processer. NOTE. When natural revolucer are like petroleum become depleted (used up) then the future generation agnot be able to benefit from it. This is because such revoyaces cannot be defenerated produced by any noitural processor Surtainability Means wing a resource 2 meet our current needs without compromising & ability of & future generation to meet their own needs. This means using resources such that they can utill be available for use for the future generations Non-renewable resource ly a resource that cannot be replaced once used up. Examples of Non-renewable revolutes -fossil fuch - Nuclear energy -Diamond - Gold - Copper Why favil fuct one unufainable Wecannot use them for a long time