O Differentiate between renewable and mon-renewable sources of energy. Buefly explain wind energy. Solar energy and biofuels.

Renewable

Non-Lenewable

Resources which can be reused are renewable resources.

Resources which cannot be reused once utel hed are called

These include languments like airs waters sunlight etc. non-renewable resources.

They are sustainable resources.

These include components
like fossil fuels, LPG
Grases.

They are eco-ficendly.

They are enhantable resources.

The rate of renewal is greater than the rate

They are not eco-

of getting exhausted

The with of renewal is slower than the rate of getting

enhausted.

## Solar Power

Solar power is energy from the sun that is converted into thermal or electrical energy. Moreover, photovoltaic cells are used to converte scurlight into electricity. However, solar technologies can used to harner this energy for a variety of uses including generating electribily, providing light and heating water for domestic, can commercial use.

## WIND ENERGY

The wind is used to produce energy and to turn for the production of electricity. Similarly, wind rotates the blades of a turbine that helps to operate a generator. On operation, the generator, as a result, produces electricity. Thus, the generator Converts melanical energy possessed by the wind into electrical energy. However, wind energy plants are usually installed mean seashaw or in areas with sufficient wind flow.

## BIOFUELS

Biofuels are renewable energy sources derived from organic materials, Such as plants, algae and animal waste.

They are used as alternatives to fossil fulls and can reduce greenhouse gas emissions.

Common types include: Ethenol, Biodiesel Biogas.

as What do you know about Volconoes?

Discuss the Causes and affects of Volcanic eruption. Volcanoes: A volcano is simply an opening or vent on the earth's surjour through which molten magma, escape to the carthis surface. " Vokanism legers to the Process by which molten sck, known as magma, rise to the earth's surface, activity." Vo cahec activity." Causes of Volcanic eruption: Volcanic eluptions are mainly caused by the movement of tectonic plates, which creates pressure that forces magma to rise from beneath the Earthis surface. As magna accumulates in chambers, gas and pressure build up, leading to explosive explosive explosive

You can discuss this part by giving points

Factors such as the composition of the magma, the presence of evaler, and seurounding geological structurer also influence the exercison's characteristics Effects of Volcanic eruption: Volcanic cruptions can have profound effects on the environment, human health, and local economies. They release ash and gases which can cause respirately issues, contaminate well supplies, and disrupt our trans. The deposition of ash can damage craps and infrastructure, while lava flows can distroy habitats and property.