NONRENEWABLE AND RENEWABLE RESOURCES

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Engage:

Energy is frequently non-renewable.

1. What is the energy source they used the most today.

2. State the energy source used as renewable and non-renewable.

Create a Venn diagram using the words

- Sunlight
- Can produce electricity
- Water
- Coal
- Cause pollution
- Can be replaced
- Oil
- Do not cause pollution

- Wind
- Energy resource
- Fossil fuels
- Natural Gas
- Wood
- Give us Power

HMMMM....

What do you think nonrenewable resources are?

Break it down...

Nonrenewable?

Resource?





NONRENEWABLE RESOURCES





A nonrenewable resource is a natural resource that cannot be re-made or re-grown at a scale comparable to its consumption.

NUCLEAR ENERGY

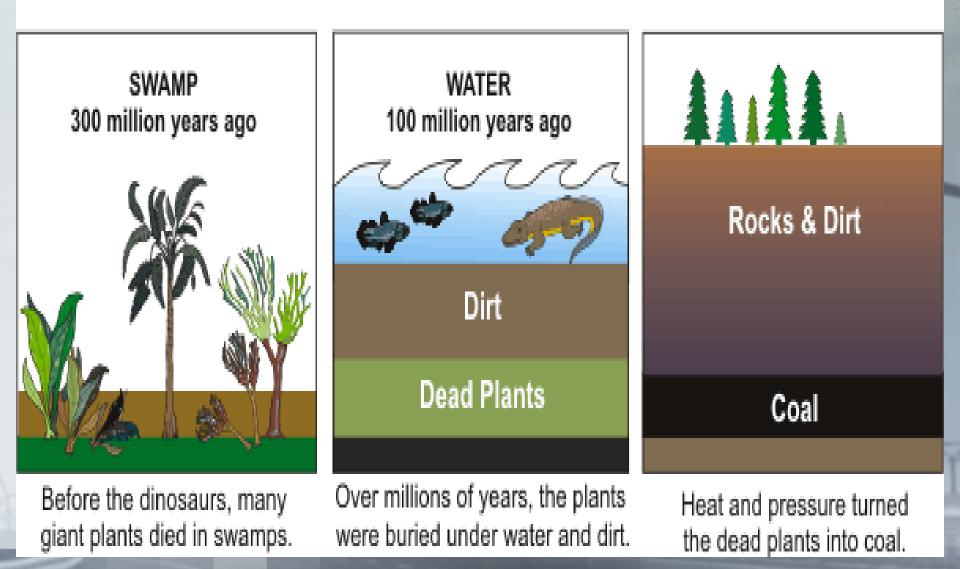




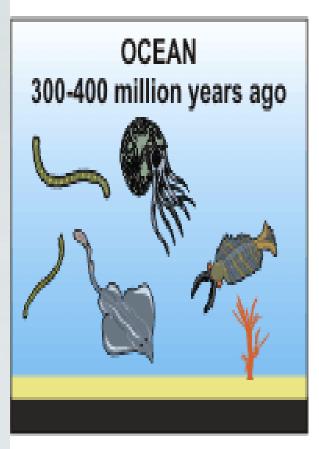
Nuclear fission uses uranium to create energy. Nuclear energy is a nonrenewable resource because once the uranium is used, it is gone!

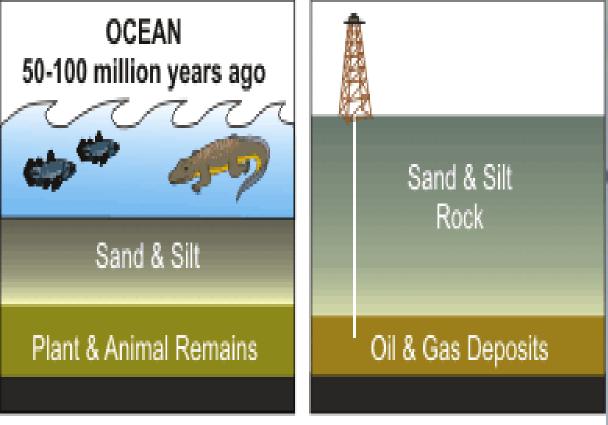
COAL, PETROLEUM, AND GAS Coal, petroleum, and natural gas are considered nonrenewable because they can not be replenished in a short period of time. These are called fossil fuels.

HOW IS COAL MADE ???



HOW ARE OIL AND GAS MADE ???





Tiny sea plants and animals died and were buried on the ocean floor. Over time, they were covered by layers of silt and sand. Over millions of years, the remains were buried deeper and deeper. The enormous heat and pressure turned them into oil and gas. Today, we drill down through layers of sand, silt, and rock to reach the rock formations that contain oil and gas deposits.

WHAT WAS THE DIFFERENCE BETWEEN COAL AND OIL/GAS?



HMMMM....

If nonrenewable resources are resources that cannot be re-made at a scale comparable to its consumption, what are renewable resources?



JFST

RENEWABLE RESOURCES

- Renewable resources are natural resources that can be replenished in a short period of time.
- Solar Geothermal
- Wind Biomass
- Water







Energy from the sun.

Why is energy from the sun renewable?

GEOTHERMAL

Energy from Earth's heat.

Why is energy from the heat of the Earth renewable?



WIND

Energy from the wind.

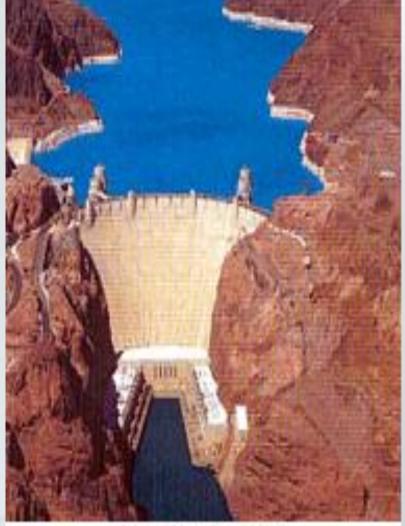
Why is energy from the wind renewable?

BIOMASS Energy from burning organic or living matter.

Why is energy from biomass renewable?



WATER or HYDROELECTRIC



Energy from the flow of water.

Why is energy of flowing water renewable?

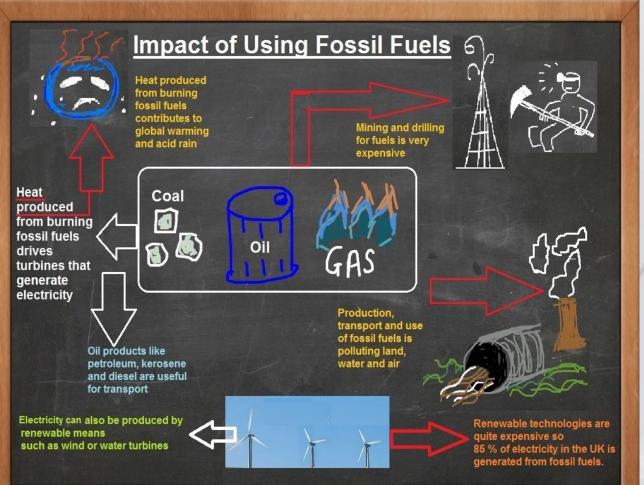
HOOVER DAM

SUMMARY

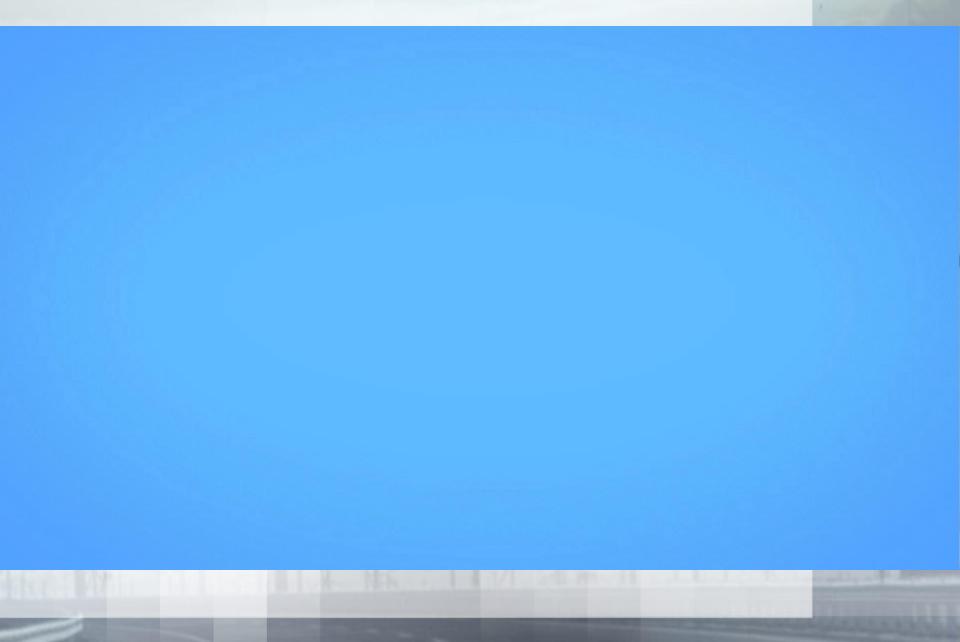
What are the differences between nonrenewable and renewable resources?

Session II Fossil fuels

 What are fossil fuels and their effects on the environment?



Effects of fossil fuels



Effects of fossil fuels.







Create a slogan on effects of fossil fuels and draw an illustration.

If today you will burn fossil fuel tomorrow you might be fossil under the sea.

nralknot.com viralknot.com viralknot.com viralknot.com viralknot.com viralk

One day oil will be **costlier** than gold s so start conserving today !!!