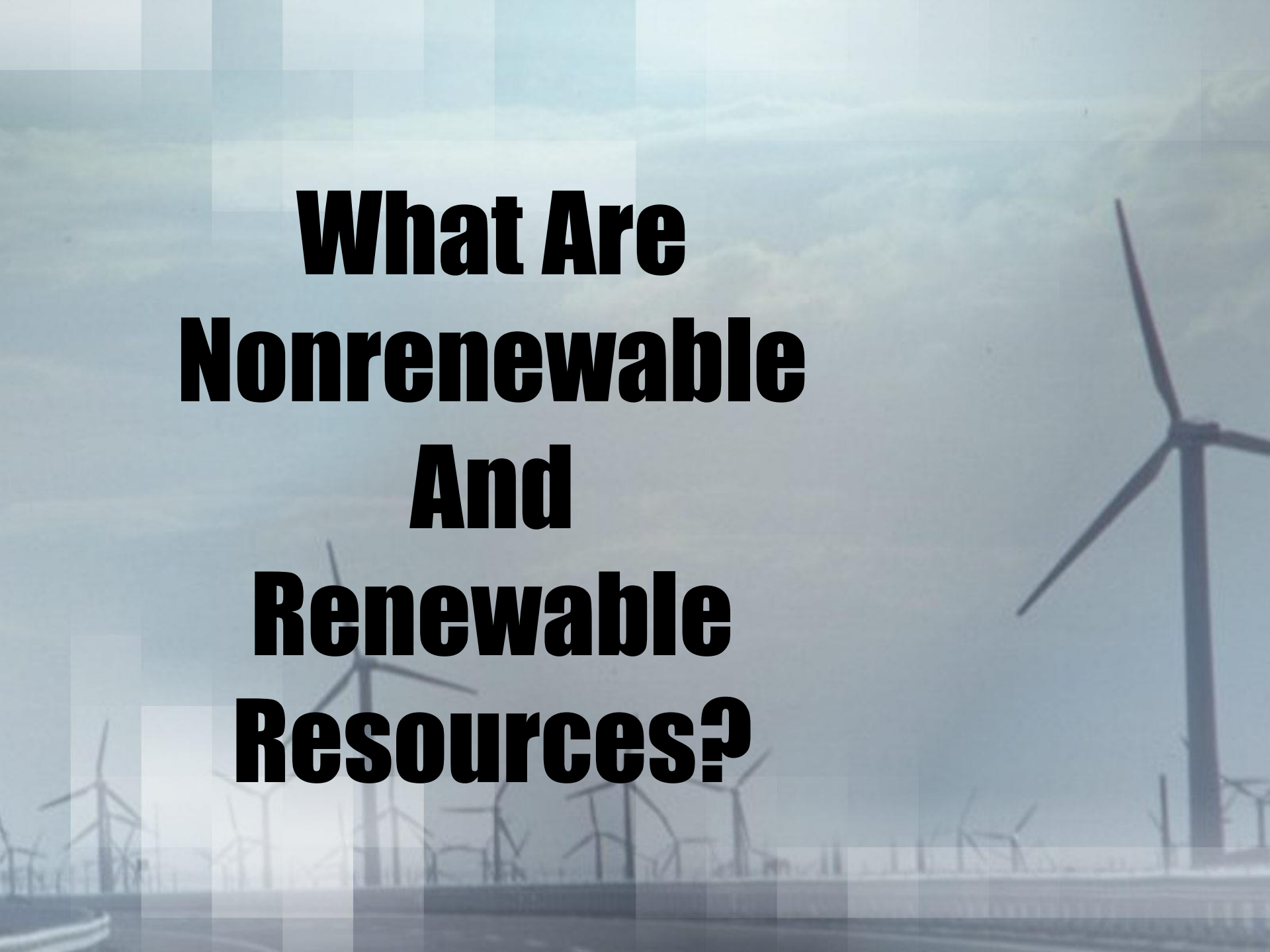

What Are Nonrenewable And Renewable Resources?

What are nonrenewable resources?

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 within around 100 years.

1. NUCLEAR ENERGY

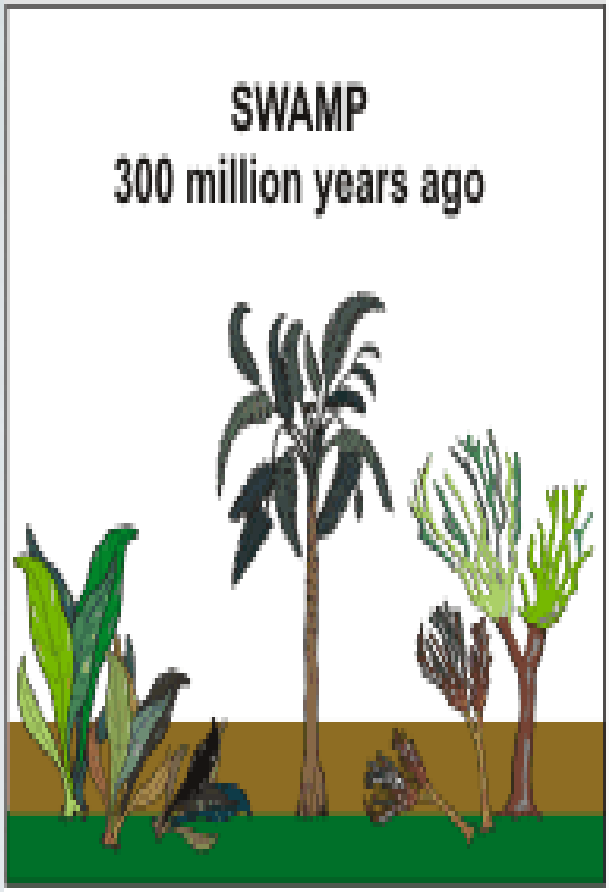
Nuclear fission uses uranium to create electrical energy.

2. FOSSIL FUELS (COAL, PETROLEUM, AND GAS)

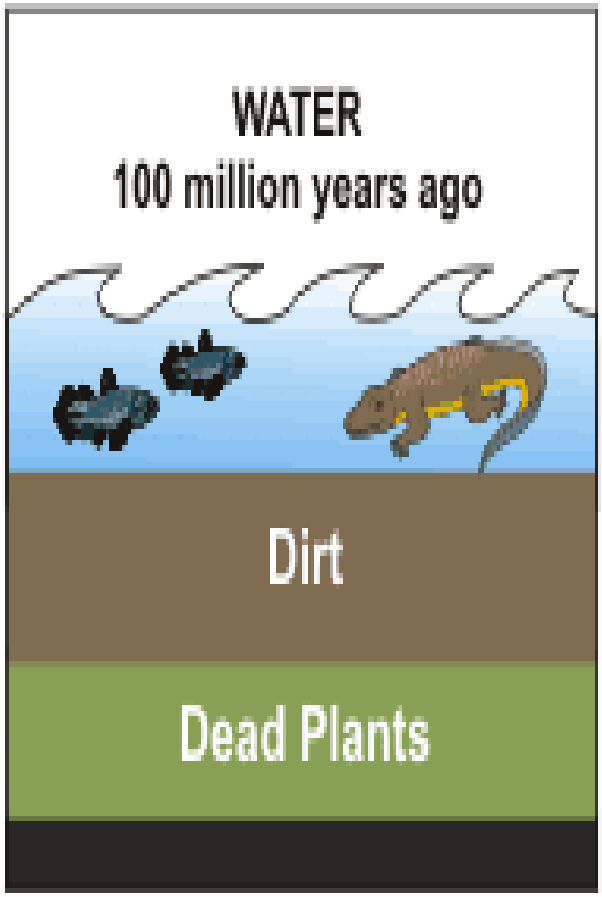
Coal, petroleum, and natural gas are considered nonrenewable because they can not be replenished in a short period of time.

These are called fossil fuels because they are made from fossils.

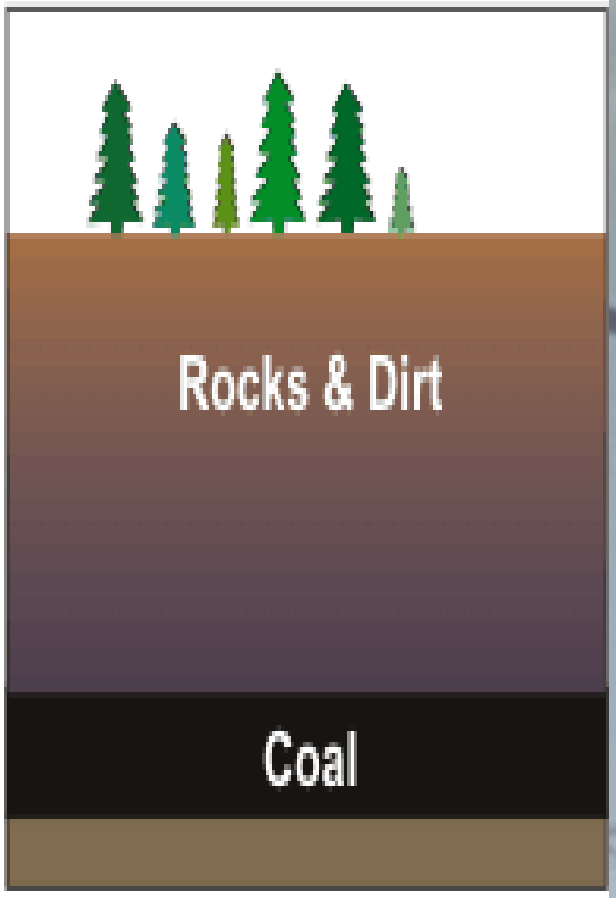
HOW IS COAL MADE ???



Before the dinosaurs, many giant plants died in swamps.



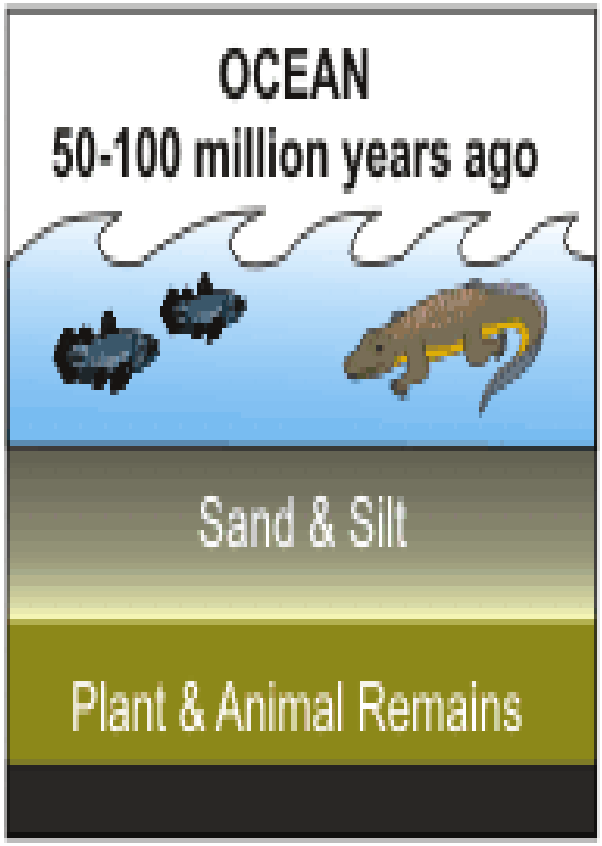
Over millions of years, the plants were buried under water and dirt.



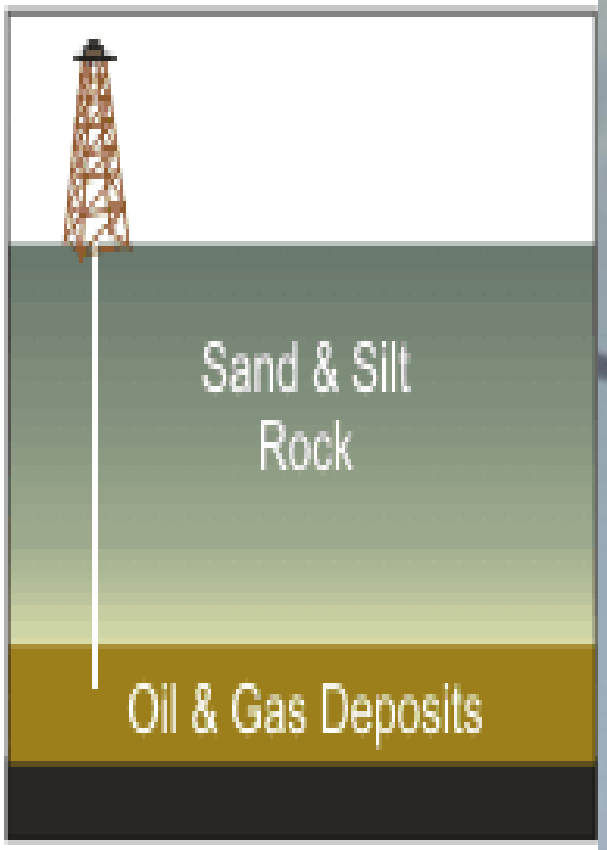
Heat and pressure turned the dead plants into coal.

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 are renewable resources?

HMMMM....

If nonrenewable resources are resources that cannot be re-made within around 100 years, what are renewable resources?

RENEWABLE RESOURCES

Renewable resources are natural resources that can be replenished in a short period of time.

1. SOLAR

Radiant energy from the sun is then used to create electrical energy.

2. GEOTHERMAL

Thermal energy from Earth's core is then used to create electrical energy.

3. WIND

Using energy from the wind to create electrical energy.

4. BIOMASS

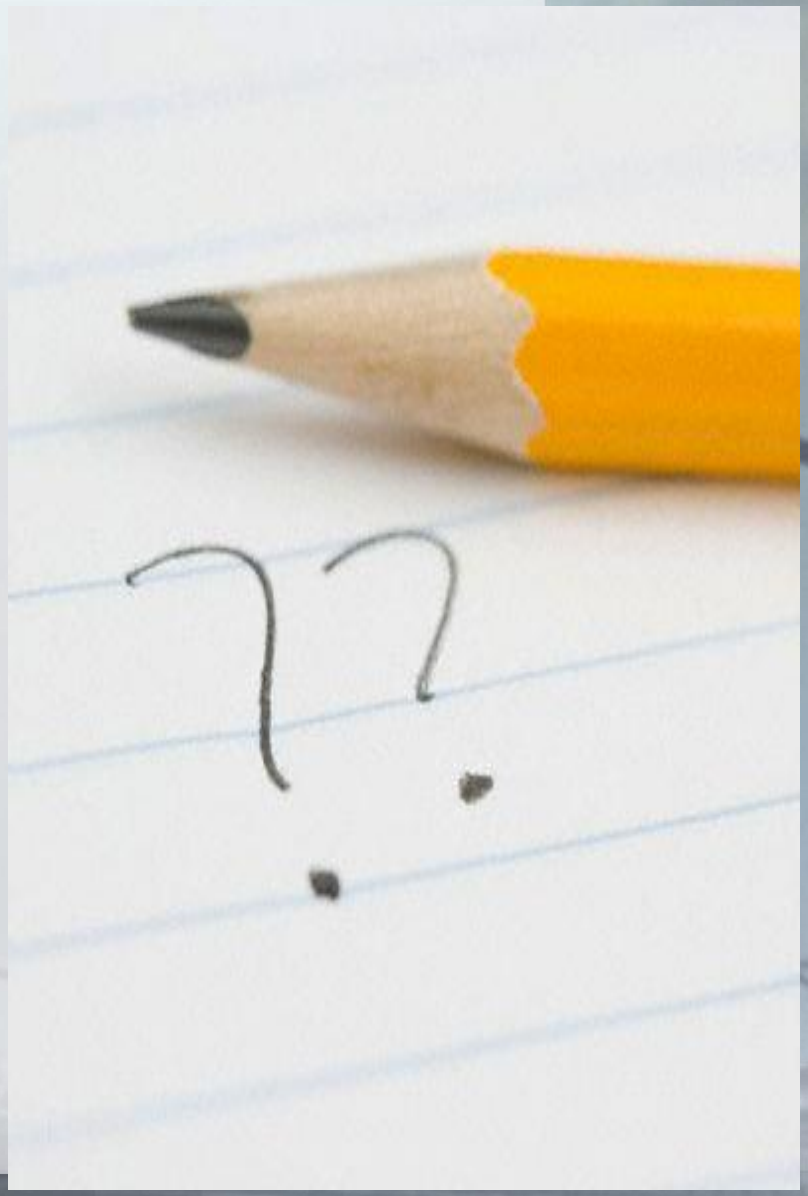
Using chemical energy from burning organic or living matter to create electrical energy.

5. WATER or HYDROELECTRIC

HOOVER DAM

Gravitational energy from the fall of flowing water is then used to create electrical energy.

What are the differences between nonrenewable and renewable resources?



https://www.youtube.com/watch?v=20Vb6hILQSg