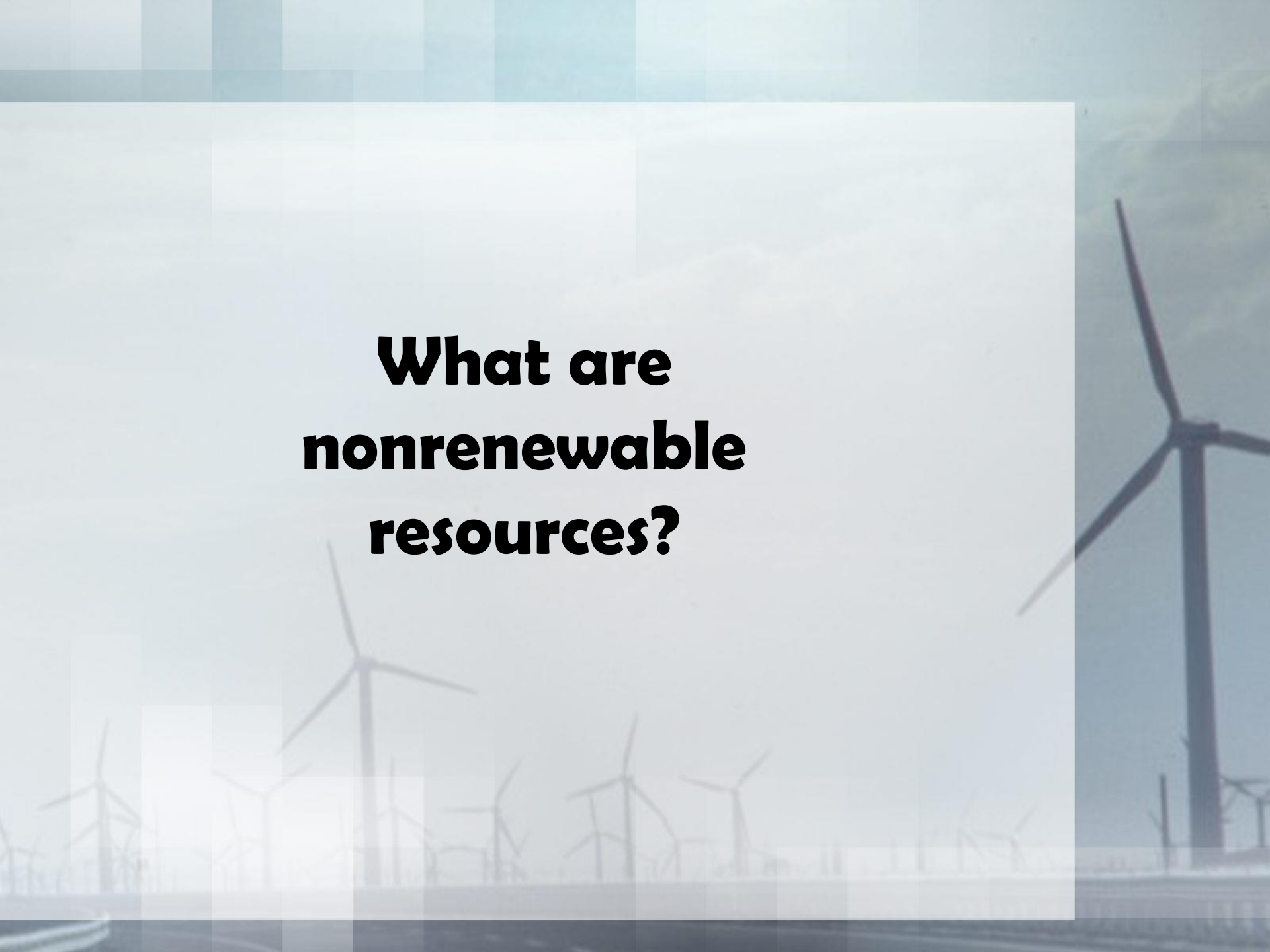
The background of the slide features a large field of wind turbines stretching into the distance under a cloudy sky. A semi-transparent grid pattern is overlaid on the entire image. The text is centered and reads:

**What Are
Nonrenewable
And
Renewable
Resources?**



**What are
nonrenewable
resources?**

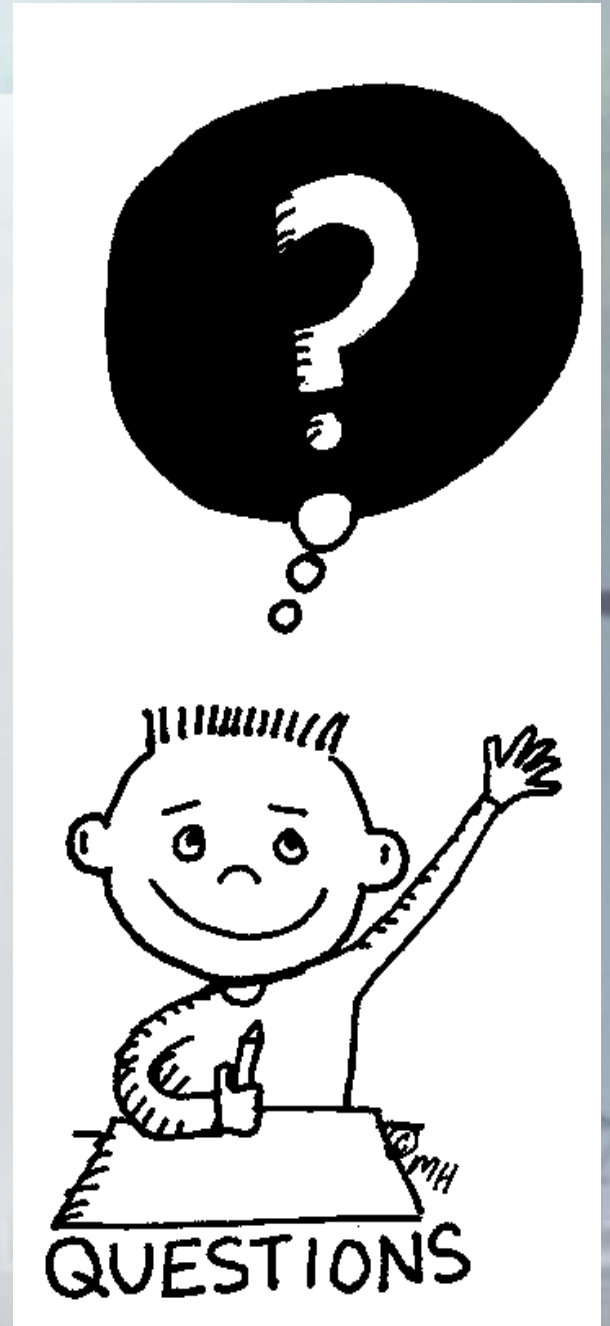
HMMMM....

**What do you think
nonrenewable
resources are?**

Break it down...

Nonrenewable?

Resource?

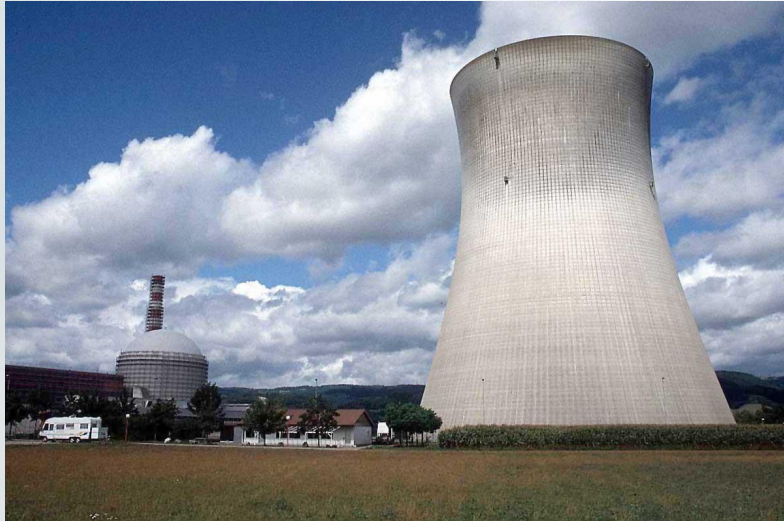


NONRENEWABLE RESOURCES



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.

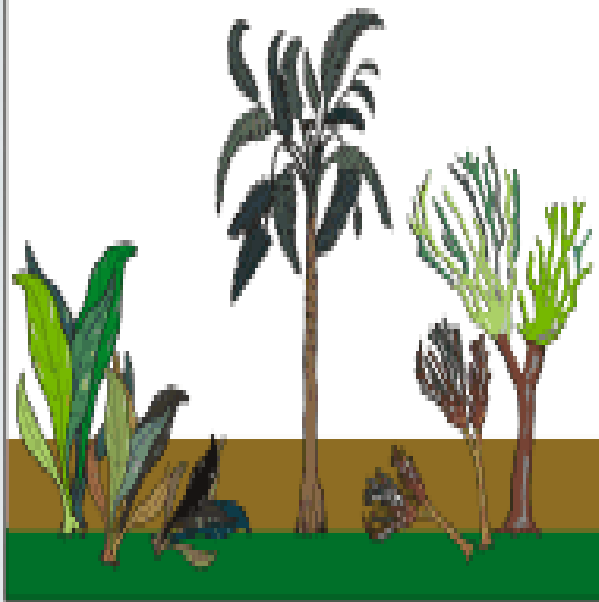
These are called fossil fuels because they are made from fossils.



HOW IS COAL MADE ???

SWAMP

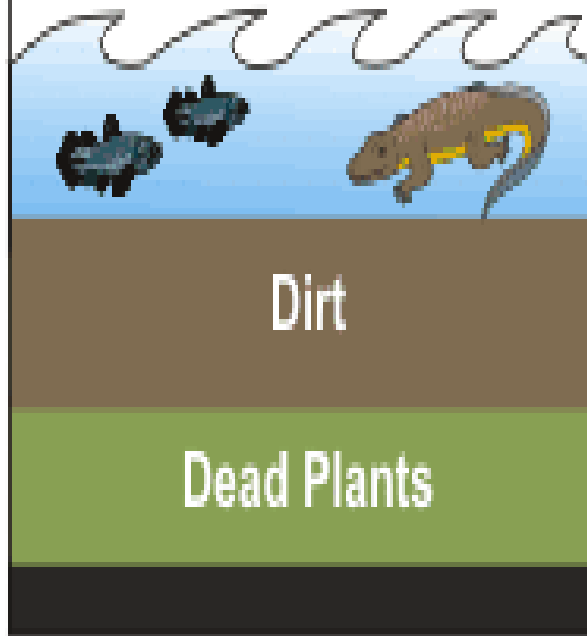
300 million years ago



Before the dinosaurs, many giant plants died in swamps.

WATER

100 million years ago



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



Rocks & Dirt

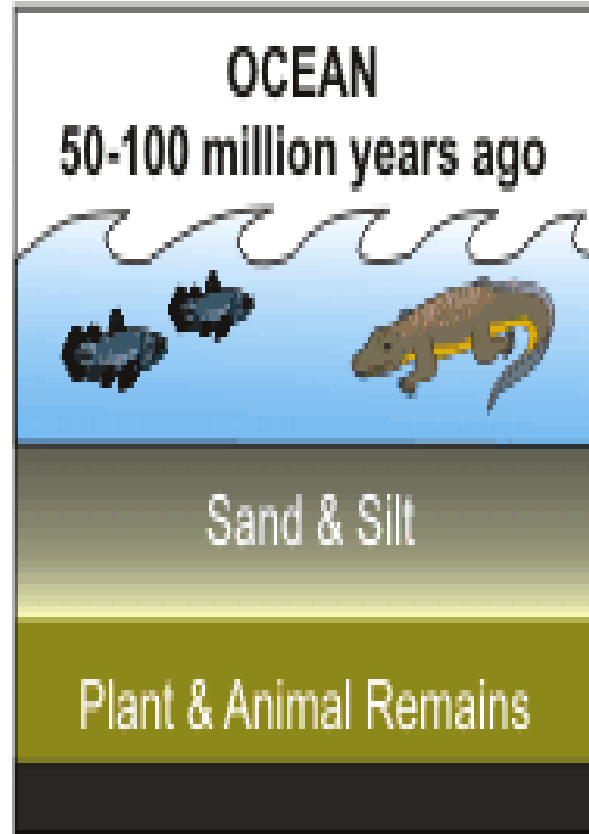
Coal

Heat and pressure turned the dead plants into coal.

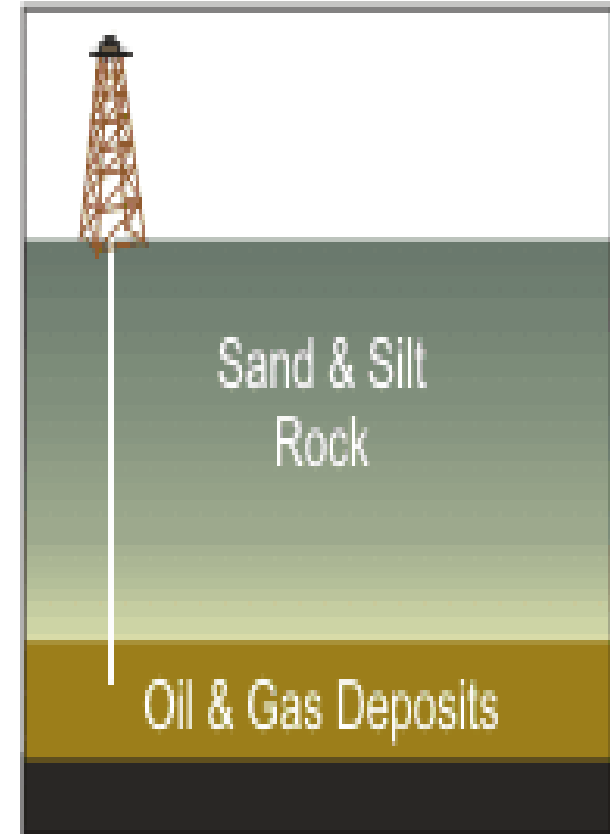
HOW ARE OIL AND GAS MADE ???



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.



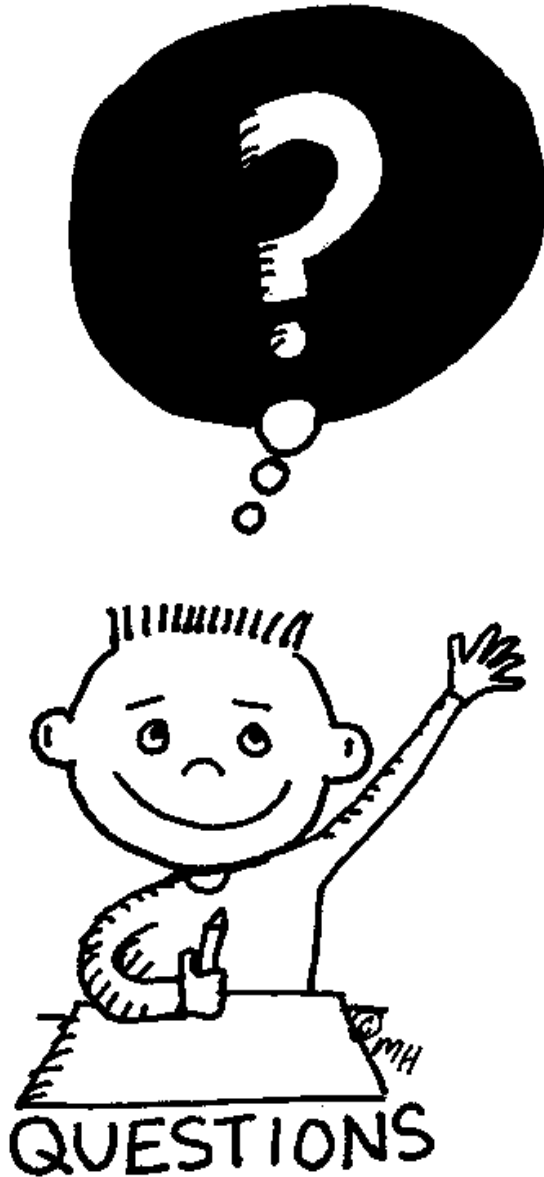
Today, we drill down through layers of sand, silt, and rock to reach the rock formations that contain oil and gas deposits.



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.



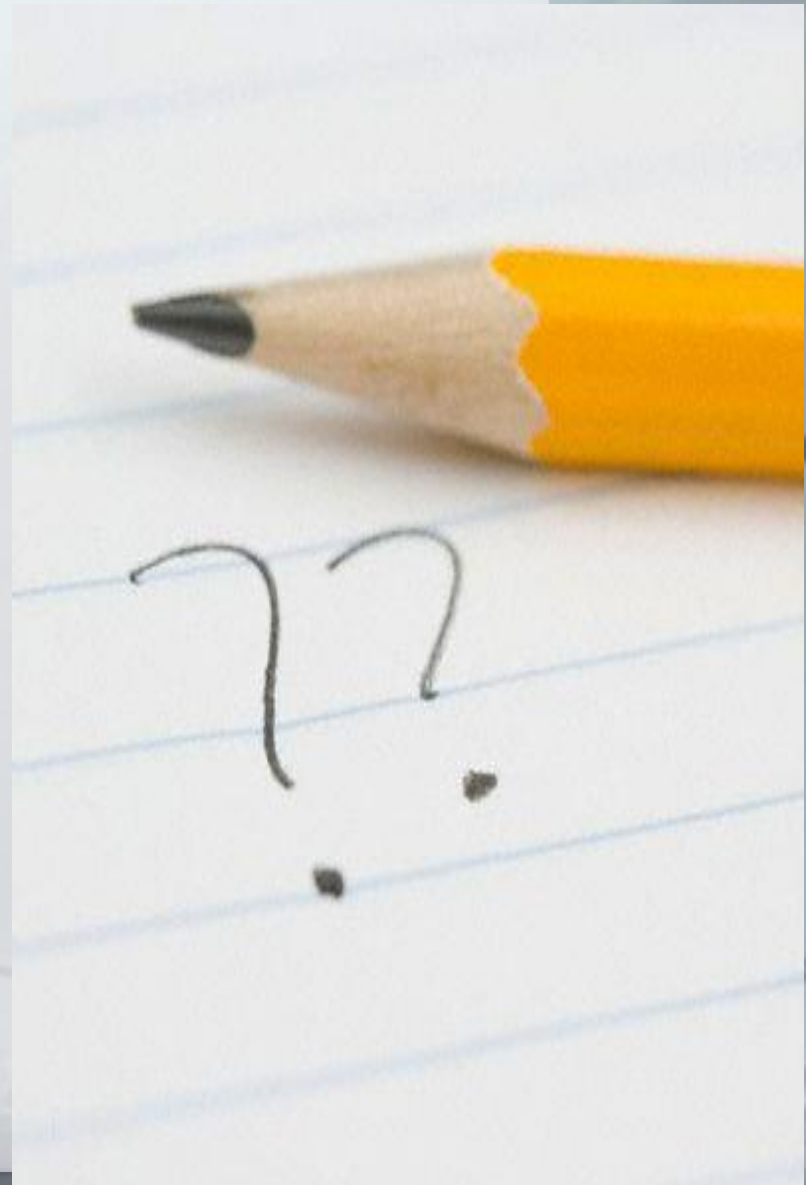
5. WATER or HYDROELECTRIC




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?**



A large field of wind turbines under a cloudy sky. The turbines are arranged in rows, stretching into the distance. The sky is filled with soft, white clouds. The overall scene is a typical representation of a wind farm.

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