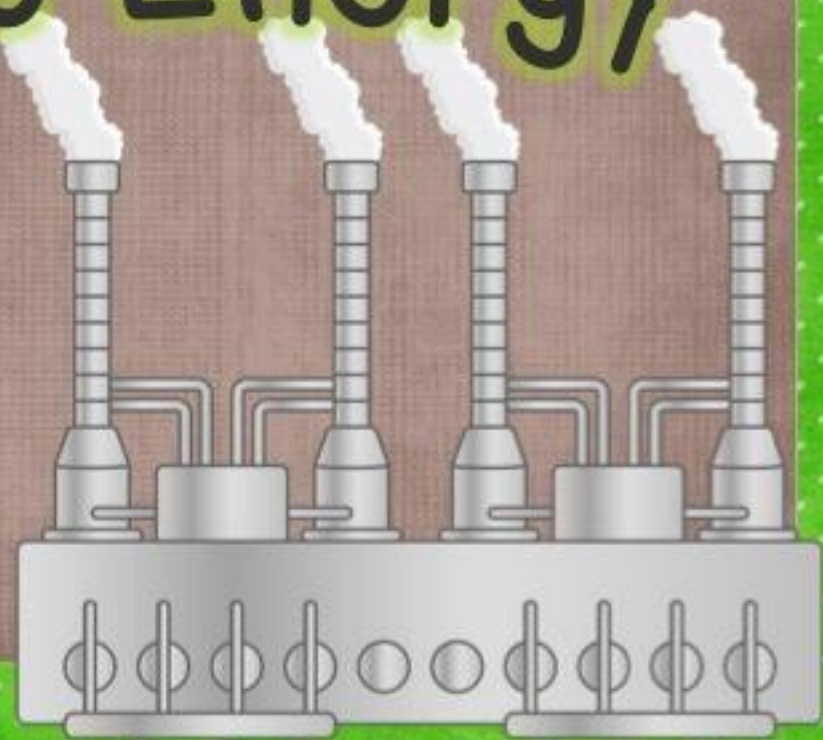
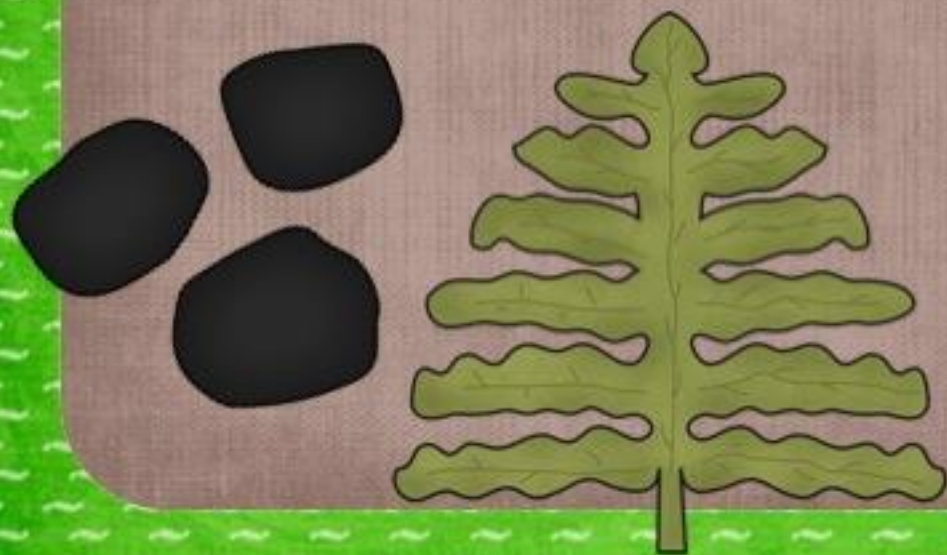


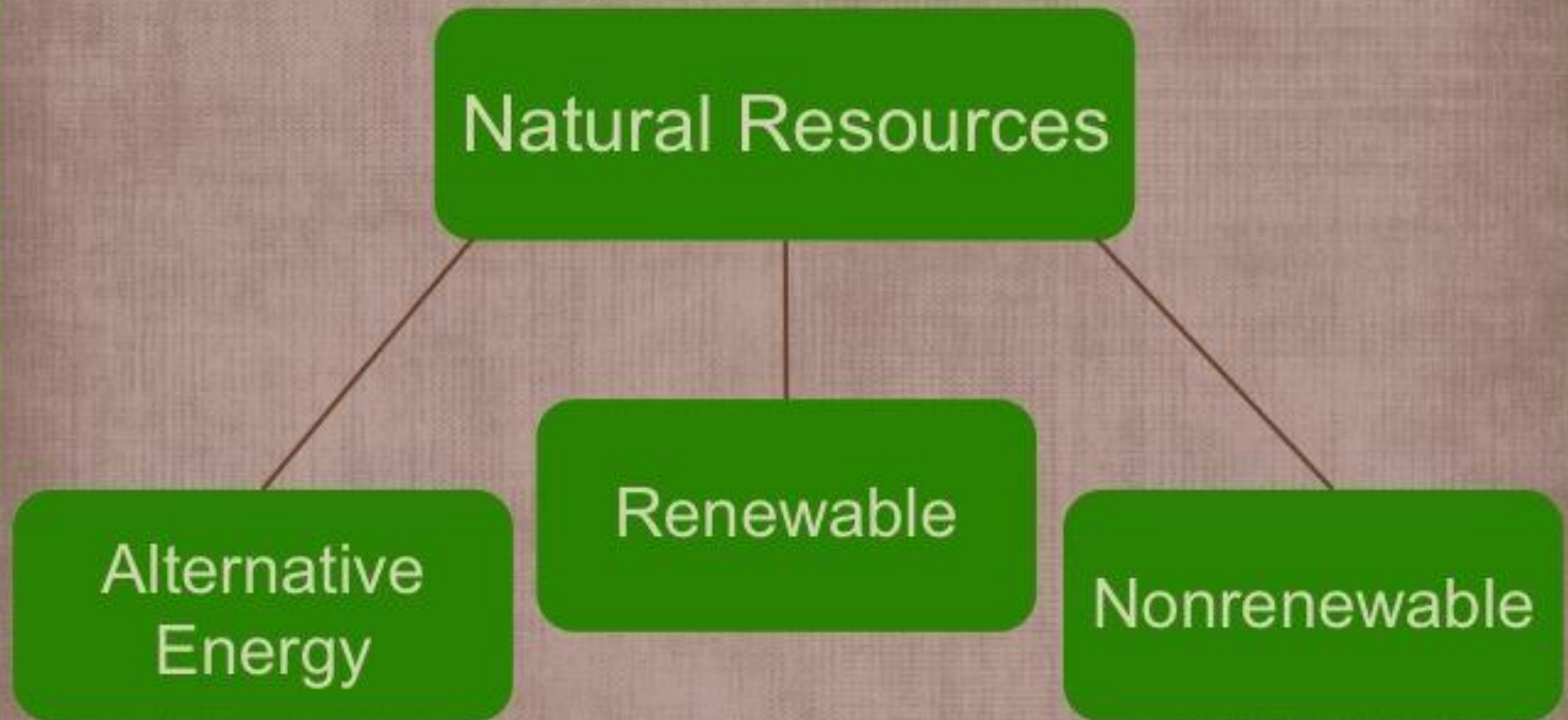
Natural Resources and Alternative Energy





Natural resources are
things people use that
come from the
environment.

Natural Resources can be classified in different categories.



Renewable Resources

They can be
replaced in a short
period of time.

Examples:
plants
water
animals
air



Nonrenewable Resources

They take millions of years to form and can be used up.

Examples:

coal

oil

natural gas

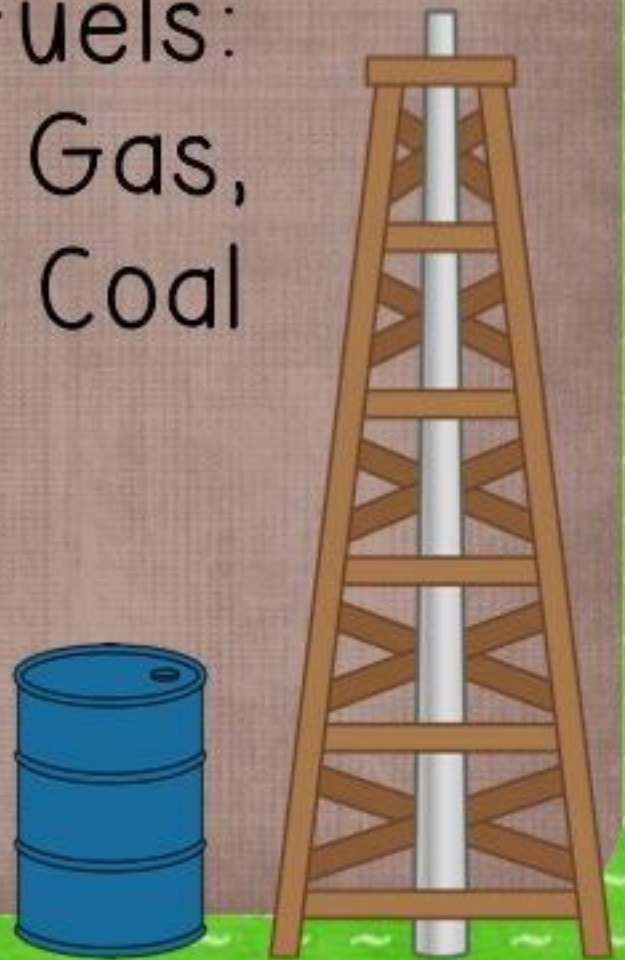
minerals



Nonrenewable Resources

Fossil fuels
are materials
burned for
energy.
They are
nonrenewable.

Fossil Fuels:
Natural Gas,
Oil, and Coal



Nonrenewable Resources

Coal began as plants in swamps very long ago.



Nonrenewable Resources

After the plants died, thousands of years of pressure of sediments pressing down and heat changed them into coal.



Nonrenewable Resources

Coal is mined from under the Earth's surface, then burned to produce energy.



Alternative Energy

Examples:

sun

wind

geothermal

biofuels

These resources
are always available.



Wind Turbines on a Wind Farm



wind turbines
spin

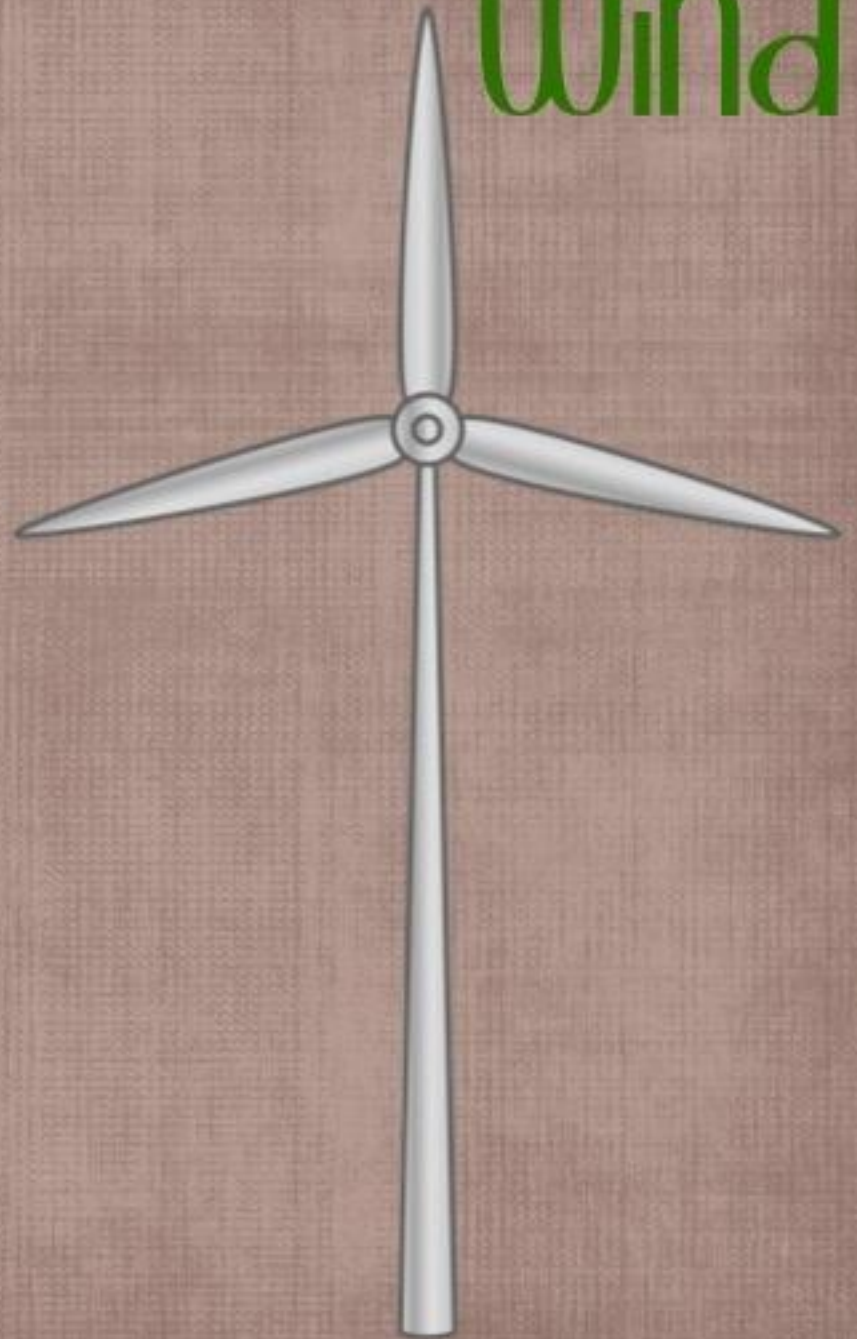


mechanical
energy produced



converted into
electrical energy

Wind



Solar Panels



solar

sunlight hits the
solar panel



solar energy is
converted to
electrical energy





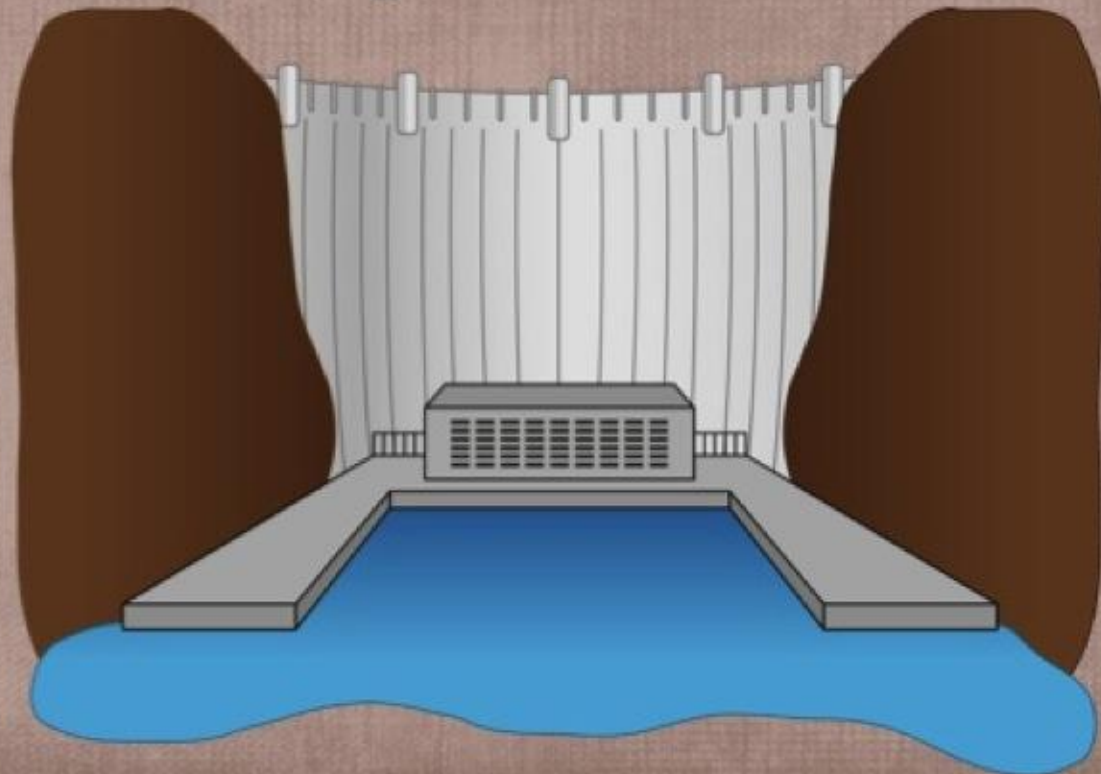
Hydroelectric
Energy
Created at a
Dam

Hydroelectric

falling water
turns a turbine,
creating
mechanical energy



a hydroelectric
generator
converts the
energy into
electrical energy



Geothermal Energy

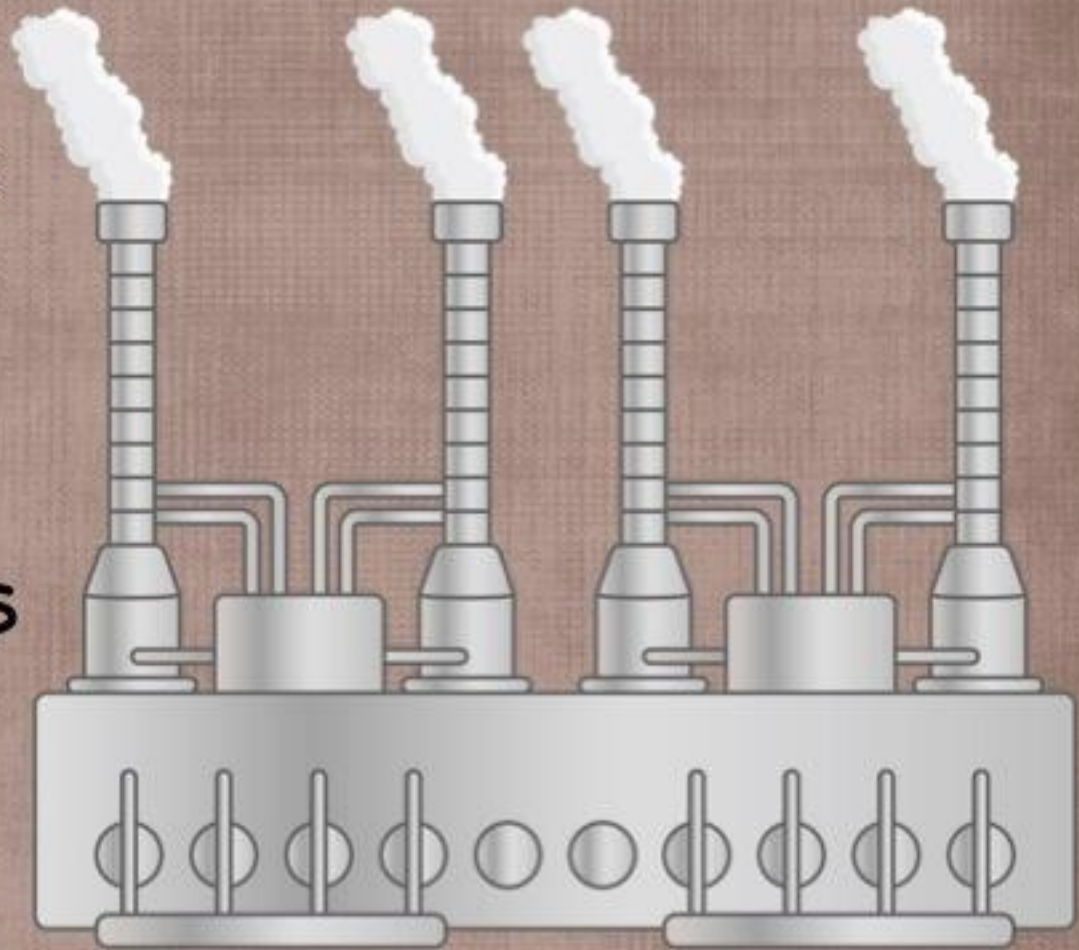


Geothermal

hot steam
comes from
deep beneath
Earth's surface



the steam spins
turbines,
generating
electricity



Plants are grown for biofuels.



Biofuels

energy from the
sun is stored in
plants



the energy is
converted into a
solid, liquid, or
gas that can
provide energy

