WORKSHEET

Use your notes and answer the following questions and complete the following charts.

1. What is the difference between a renewable energy source and a non-renewable energy source? Give two examples of each.

Renewable Energy:

"A renewable resource is any resource taken from the earth that can be replaced over a short period of time.

For example: Wind, Water, solar, sun, biomass

Non Renewable Energy:

"Ar non-renewable resource is any resource taken from the earth that cannot be replaced for example: Coal, natural gas, oil, nuclear energy

2. Fill out the chart, outlining the advantages and the disadvantages for renewable energy.

Advantages	Disadvantages
· Free resources such as wind, water, sun/solar	· unpredictable - le clays no wind or sun
· Not a lot of pollution produced	· Expensive to build wind farms, clams, solar power stations
· produces electricity -	· Windmills disturb TV & phone Wave receptions
· energy constantly produced	Dams Cause deforestation and
· 1 · · · · · · · · · · · · · · · · · ·	loss of habitats

3. Fill out the chart, outlining the advantages and the disadvantages for non-renewable energy sources.

Energy Source	Advantages	Disadvantages	
Coal	useful to produce electricity	burning coal releases sulpher into the environment which procuces acid	rain
Natural Gas	· cloes not produce pollution in the air	has a poisonous chemical called hydrogen sulphide	
Oil	·used in transport vehicles	·OIL SPILLS can be very clangerous to the environment and difficult to	

* Fossil Fuels have a bad impact on our environment such as causing global warming

clean up

Conserving Energy

There are simple activities we can perform on a daily basis to reduce the consumption of natural resources including energy and water.

Here are a few examples:

- Automatic faucets
- Save electricity by turning off lights and unplugging items that are not being used
- Plant trees
- Ride a bike or walk instead of driving
- Carpool
- Fix a dripping tap
- Practice the 5 R's (reuse, reduce, recycle, rethink, refuse)
- Turn off the television and lights when no in use
- Install low flow shower heads
- Turn of tap when brushing your teeth
- Don't put chemicals down the drains

List at least 5 ways of conserving energy:

- 1. Play outside instead of using electricity to play Video games, watch TV, go on electronic devices

 2. Eat one meat-free meal a week

 3. Use programmable thermostats

 4. Hang laundry on the clothes line to dry in the warmer months

 5. Use energy-saving appliances and light bulbs
- double-pane Windows instead one of Single-pane Windows
- Outside lights with a sensor

Sort the following in the right column.

Wind, sun, oil, natural gases, plant, water, coal, water tides, fossil fuels, wood

Non-renewable Energy	Renewable Energy
011	wind
natural gases	Sun
coal	Water tides plants - as long as new ones are replanted.
fossil fuds	wood- as long as trees are replanted.
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