

# **RENEWABLE and NON-RENEWABLE ENERGY SOURCES**

## **Learning Targets**

I can . . . . .

1. Identify renewable and non-renewable energy sources
2. Identify the origin of different energy sources
3. Explain why resources are considered renewable or non-renewable
4. Determine advantages & disadvantages of each

## **Renewable & Non-Renewable Energy Resources Debate Activity**

Work with your group to research your assigned energy resource (both advantages & disadvantages). Also, research the disadvantages from the other 9 resources. TAKE NOTES!! For your energy resource you must sketch a diagram with explanations to share during your debate.

*Ultimate Goal: Prepare a 2-minute argument why your energy source is the best (downplay disadvantages).*

**USEFUL WEBSITES FOR RESEARCH:** (found on our class website also)

<http://www.darvill.clara.net/altenerg/index.htm>,

<http://www.childrensuniversity.manchester.ac.uk/interactives/science/energy/advantages/>

Below are Energy Resources to research. Be sure to research BOTH the advantages & disadvantages for your selected energy resource. For the other 9 listed, research the disadvantages ONLY. Use notebook paper. Use this handout to check-off energy resources as you research them. Circle the energy resource that your group will be representing.

1. OIL & NATURAL GAS (non-renewable)

6. WAVE (renewable)

2. NUCLEAR (non-renewable)

7. TIDAL POWER (renewable)

3. COAL (non-renewable)

8. SOLAR (renewable)

4. WIND (renewable)

9. GEOTHERMAL (renewable)

5. HYDROELECTRIC (hydroelectric)

10. BIOMASS (renewable)