

Name: \_\_\_\_\_

Per: \_\_\_\_\_

## RENEWABLE ENERGY SOURCES WEBQUEST

**Renewable Energy Basics** [http://www.eia.gov/kids/energy.cfm?page=renewable\\_home-basics](http://www.eia.gov/kids/energy.cfm?page=renewable_home-basics)

Why don't we use more renewable energy (Name 2 reasons.)



**Biomass Basics** [http://www.eia.gov/kids/energy.cfm?page=biomass\\_home](http://www.eia.gov/kids/energy.cfm?page=biomass_home)

What is biomass?

What can biomass be converted into?

How is wood used by commercial and industrial companies?

How is municipal solid waste used?

How and where is biogas produced?

Why are biofuels such as ethanol considered "carbon neutral"?

**Geothermal Basics** [http://www.eia.gov/kids/energy.cfm?page=geothermal\\_home](http://www.eia.gov/kids/energy.cfm?page=geothermal_home)

What is geothermal energy?

Where are most of the world's geothermal plants located and why?

**Hydropower Basics** [http://www.eia.gov/kids/energy.cfm?page=hydropower\\_home](http://www.eia.gov/kids/energy.cfm?page=hydropower_home)

Most dams were not built to create hydroelectricity. Why were they built?

How can tides be harnessed to create electricity?

**Solar Basics** [http://www.eia.gov/kids/energy.cfm?page=solar\\_home](http://www.eia.gov/kids/energy.cfm?page=solar_home)

Name 2 uses for solar energy.

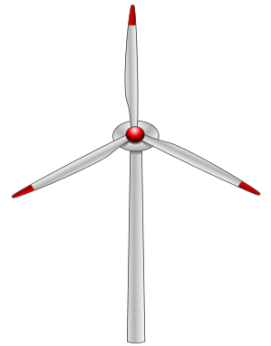
Briefly explain how a photovoltaic cells works.



**Wind Basics** [http://www.eia.gov/kids/energy.cfm?page=wind\\_home](http://www.eia.gov/kids/energy.cfm?page=wind_home)  
Describe the daily wind cycle.

What are the top 5 wind producing states?

Describe the 2 types of wind turbines.



<b>Type of Renewable Energy</b>	<b>Availability to consumers</b>	<b>Environmental Impacts</b>
<b>Biomass</b>		
<b>Geothermal</b>		
<b>Hydropower</b>		
<b>Solar</b>		
<b>Wind</b>		