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Activities

Where Our Energy Comes From

Name: _____ Date: _____

Are we making progress breaking the fossil fuels habit? In this Planet Diary activity, you'll find out how much of our energy comes from renewable sources.

Directions

- Go to How much of our electricity is generated from renewable energy? Look at the chart *Sources of Electricity Generation*. Use it to answer Workspace questions 1 and 2 below.
- Read the *Did You Know?* sidebar on the left. Answer questions 3 and 4.
- Look at the graph below *Did You Know?*. Answer question 5.
- Does yuor state have renewable energy standards? Scroll down to the map of *Renewable Portfolio Standards*. Click to enlarge the map, then answer the last question.

Workspace

1. What percent of electricity comes from renewable energy sources?

2. What percent of your answer to question 1 comes from each specific source?
   a. Solar energy:
   b. Geothermal energy:
   c. Wind energy:
   d. Hydropower:
   e. Biomass wood:
   f. Biomass waste:

3. How much did generation by wind increase between 2000 and 2011?

4. Explain why wind generation increased so much.

5. Which renewable source provides more electricity than all other renewable sources combined?

6. What are Renewable Portfolio Standards? Does your state have them?

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