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Activities

Putting Tides to Work

Name: _____ Date: _____

With fossil fuel disappearing and greenhouse gases soaring, alternative energy sources are looking better and better. One promising idea is putting tides to work. In this Planet Diary activity, you'll explore ways of capturing the energy of the tides.

Directions

- Tides are a great source of kinetic and potential energy. Go to Tidal Energy and read the introduction. Mouse over *kinetic energy* and *potential energy*. Then answer Workspace question 1.
- Read *What is Tidal Energy?* Scroll to *Types of Tidal Plants* and read the descriptions. View the *tidal power animation*. Complete the table for question 2.
- Continue to *Tidal Power Advantages and Disadvantages* Use the information to answer questions 3 and 4.

Workspace

1. How are kinetic and potential energy captured from tides?

2.

Step	Description
Step 1	
Step 2	
Step 3	

3. What are some advantages of tidal power?

4. What are some disadvantages of tidal power?

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