

Lesson 4 Energy

A Circle.

1. Wind is a **wind turbine** source of natural energy.
2. Some wind turbines can make enough **electricity** for one thousand homes.
3. A **solar panel** source turns energy from the sun into electricity.
4. A **energy** dam uses moving water to make electricity.

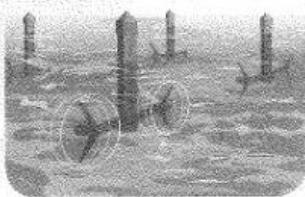
B Read and write.

Wave and Tidal Energy

Scientists are excited about two sources of energy that come from our oceans. Like wind and solar energy, these energy sources are clean and will never run out.

Wave Energy

Scientists have designed wave turbines that use ocean waves to make electricity. There are many kinds of wave turbines.



Skills Tip

The introduction and conclusion of a reading tell you the topic.



Tidal Energy

The water in the ocean goes up and down each day. This is called the tide. Scientists have designed tidal dams that use the tides to make electricity. A tidal dam in Europe makes enough electricity for two hundred forty thousand homes.

Scientists know that the ocean waves and the tide can give us clean energy for a long time. They are working hard to get even more energy from these sources.

1. How are wave and tidal energy like wind and solar energy?

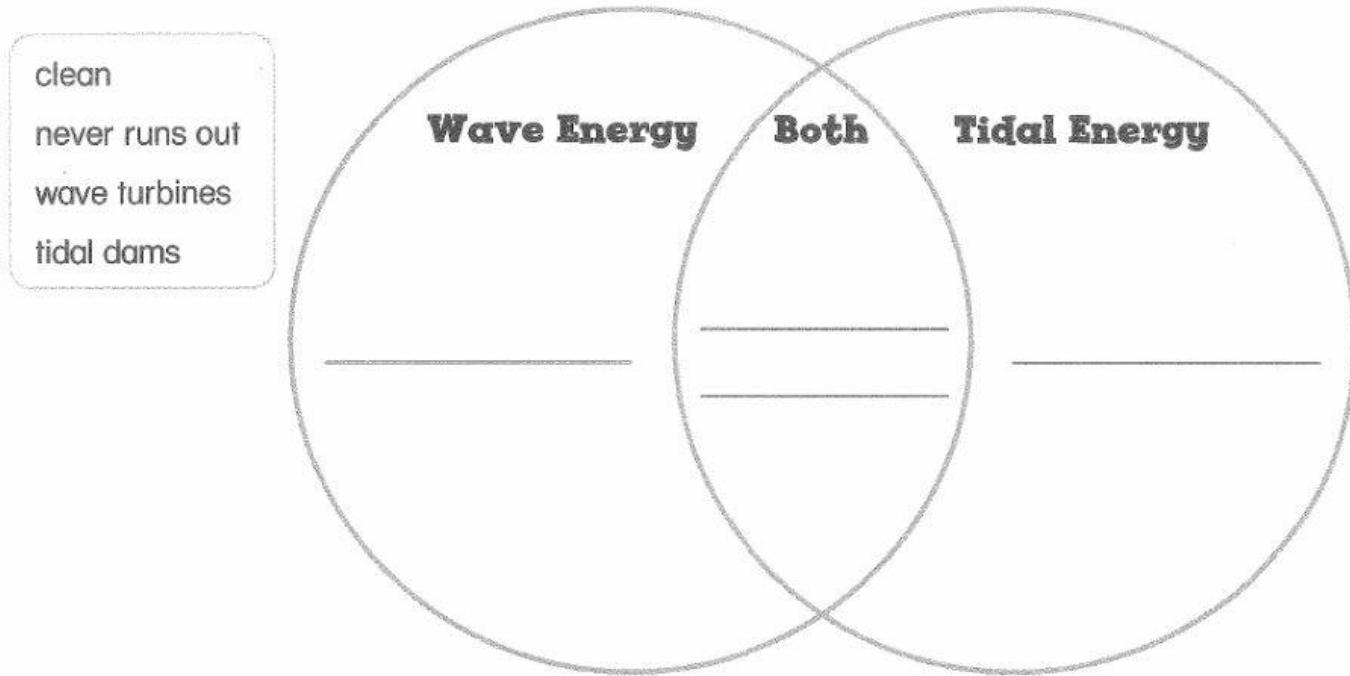
2. What do scientists know about the ocean waves and the tide?

3. What are scientists working hard to do?

C Circle.

1. There is one kind of wave turbine.	True	False
2. Wave turbines use the tides to make electricity.	True	False
3. A tidal dam in Europe makes electricity for many homes.	True	False

D Fill in the diagram. Then write.



1. What have scientists designed to use wave energy?

Scientists have designed _____ that make _____

2. What have scientists designed to use tidal energy?

E Think and write.

1. How do you use wind energy?

2. Solar energy comes from the sun. People use solar energy to make electricity. What do plants use solar energy to make?