

Name: _____

Windy Whirlers!

Wind Energy

Windmills are used to generate some of the electricity that we use everyday!

Why do windmills spin?

How do you get electricity from a windmill?

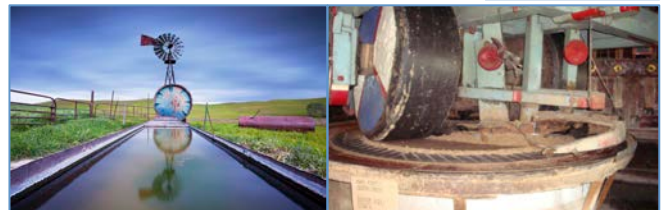
What are some good things about wind energy?



Old-Fashioned Windmills

What do you think old-fashioned windmills used to do on farms?

Based on the two pictures below, can you guess how windmills were related to water and grinding?



Let's Build a Windmill!

Materials:

- Pencil with a flat eraser
- Ruler
- Square sheet of paper
- Scissors
- Pushpin



Instructions:

1. Draw a circle about 5cm in diameter at the centre of the paper square. Mark a dot at the centre.

3. Bend ever other point of the windmill to the centre of the circle without folding the paper. Hold the points and stick a pushpin through all of them as well as the centre of the circle.

2. Cut a straight line from one corner of the sheet of paper to the circle. **Do not cut inside the circle.** Repeat for all four corners of the sheet of paper.

4. Push the pushpin into the side of the pencil's eraser. Hold it in front of you and blow on it. What happens? Do you have to blow a certain way?

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Talk About It!

1. How does a windmill move?
2. How do real windmills do work?
3. Why is it easier to jump off a chair than back on?



Energy Sources

Can you match the pictures of energy sources to their symbol?

