

# How is energy transformed from one form another?

Your task is to:

Make an A4 poster that shows how energy can be changed when used. Write a step-by-step description of how electricity is generated using wind or how windmills were used to grind flour. Make a chain that shows the steps for generating electricity. Try to identify energy transfers.

## KEY WORDS

electricity, energy resources, generator, windmill  
non-renewable resource, renewable resource, steam, sun, turbine, wind  
energy transfers – , by moving, by sound

**What is your target level? Use the level ladder to help you reach it.**

<b>To get level</b>	<b>You might:</b>
<b>3</b>	<ul style="list-style-type: none"><li>• Show simply how electricity is generated from wind</li><li>• Identify an energy resource.</li></ul>
<b>4</b>	<ul style="list-style-type: none"><li>• Draw a diagram to describe how electricity can be generated using wind turbines.</li><li>• State the original source of energy for wind.</li><li>• Classify a few other resources as <i>renewable</i> or <i>non-renewable</i>.</li></ul>
<b>5</b>	<ul style="list-style-type: none"><li>• Draw a diagram to explain how electricity can be generated using wind.</li><li>• Describe the difference between <i>renewable</i> and <i>non-renewable</i> resources.</li><li>• Explain the original source of energy for wind.</li><li>• On the diagrams, label some useful energy transfers.</li></ul>
<b>6</b>	<ul style="list-style-type: none"><li>• Draw a diagram to explain how electricity can be generated using wind.</li><li>• Describe the difference between <i>renewable</i> and <i>non-renewable</i> resources.</li><li>• Explain how the sun is the original source of energy for wind.</li><li>• On the diagrams, identify useful and non-useful energy transfers.</li></ul>