



## **ENERGY AND RECYCLING: Energy Generation**

Use fact sheet **4.1 Energy and Recycling - Energy Generation** to give you some more information about renewable and non-renewable energy sources.

### **Activity**

Get into groups of about 4-5 people and choose one type of renewable or non-renewable energy source (e.g. solar, oil, gas). With your group, write a description about that source of energy including where it comes from, how it can be used and the impact its usage has on the environment.

Present your findings to the rest of the class and be prepared to answer questions from their fellow students about that source. Once each group has had a turn presenting, the class can vote on which sources of energy are:

1. the most cost effective
2. the most sustainable
3. the one they would choose to use.

### **Things to include about your energy source:**

- The name, material properties and description of your energy source, including the type of energy it produces
- Where it comes from and how it is formed
- What it can be used for and how (think about how this source can be harnessed)
- The cost (both monetary and to the environment) of this type of energy usage
- How sustainable this source of energy is
- Alternatives to this source

### **Things to ask other groups:**

- Is this source renewable?
- How much does it cost to access this source and how much does it cost the consumer to buy it?
- How much energy does this source produce?