

A1: SOURCES OF ENERGY

Overview

These activities present an opportunity for teachers to introduce the concepts of **primary** and **secondary energy sources** to their students. The idea is for teachers to draw on what their students already know about energy, and then elaborate on that knowledge. By asking the right questions, teachers encourage their students to think about energy and to participate in the discussion. Some good lead-in questions might be: Where do plants get their energy from? So what is their energy source? Is this a **primary energy source**? What other **primary energy sources** are there? Can anyone suggest what a **secondary energy source** is? What are some examples of **secondary energy sources**?

Suggested approaches:

- Introduce some key terms such as **primary energy**, **secondary energy**, and **photosynthesis**. Establish what the students understand by these terms. Arrange the students into small groups and let them brainstorm about the theme of energy – What is it? Where does it come from? Can it be measured? Is there a connection between energy and food? After 6 – 8 minutes let each group summarise their results in poster form for reference afterwards.
- Some student groups may already have encountered the terms **primary** and **secondary energy sources** in another subject area. Ask them to tell you what they have learnt so that you can build on this. Have the students compile individual posters under the headings **What I know about energy sources** and **What I don't know about energy sources**. These can be revisited later.

NOTE:

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