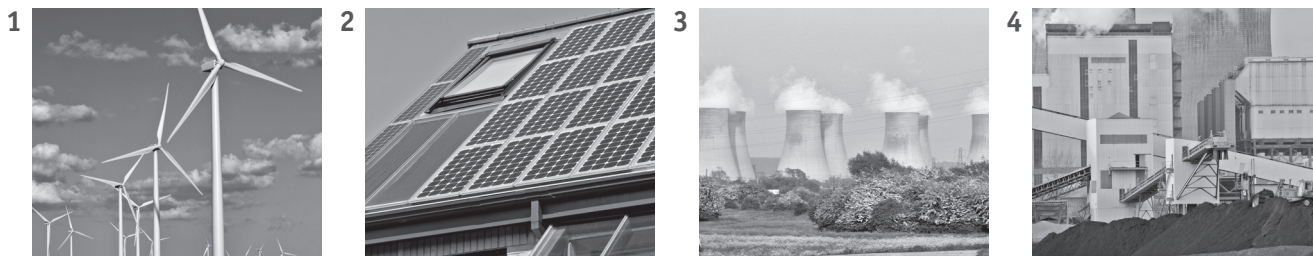


Unit 6 Cross-curricular worksheet

Science: Energy

1 What makes energy in the pictures? Which ways of making energy are better for the environment?



2 Read the text about energy production. Check your answers to exercise 1.

When you surf the Internet, take the bus to school or take a plane to go on holiday, you use energy. Most of our energy comes from fossil fuels. Fossil fuels come from living things, like plants and animals that died millions and millions of years ago. The most common fossil fuels are coal, oil and natural gas. These are non-renewable energy sources. That means that they will not last forever.

When we burn fossil fuels, they make greenhouse gases like CO₂ (carbon dioxide). A lot of scientists believe these gases cause global warming. Today, scientists are working to find alternative energy sources that don't produce greenhouse gases. Nuclear power is a popular alternative with some governments. Eighty per cent of France's electricity comes from nuclear power stations. But nuclear energy is expensive and it produces a lot of dangerous radioactive waste.

Other people think we have to use renewable energy, such as solar, wind and wave power. Renewable sources of fuel can last forever, but it is often expensive to use them. It is also difficult to produce all the energy that we need with renewable sources. Wind power only produces one per cent of the world's energy, but it could produce more. Unfortunately, renewable energy sources like wind and solar power are not reliable. When it isn't windy or sunny, they don't produce any energy. Wave power is more reliable, but is very expensive to set up.

How do you think the world will make energy in the future?

3 Translate these words from the text into your language. Use a dictionary to help you.

- 1 non-renewable _____
- 2 energy sources _____
- 3 alternative _____
- 4 nuclear power _____
- 5 radioactive waste _____
- 6 renewable _____
- 7 produce _____

4 Complete the sentences. Use the words in the box.

alternative dangerous dead difficult
non-renewable unreliable

Fossil fuels are made from **dead** animals and plants.

- 1 Coal is a _____ source of energy.
- 2 Scientists are trying to find _____ sources of energy.
- 3 Nuclear power can be _____.
- 4 It is _____ to make all the energy we need with renewable sources.
- 5 Renewable forms of energy are often _____.