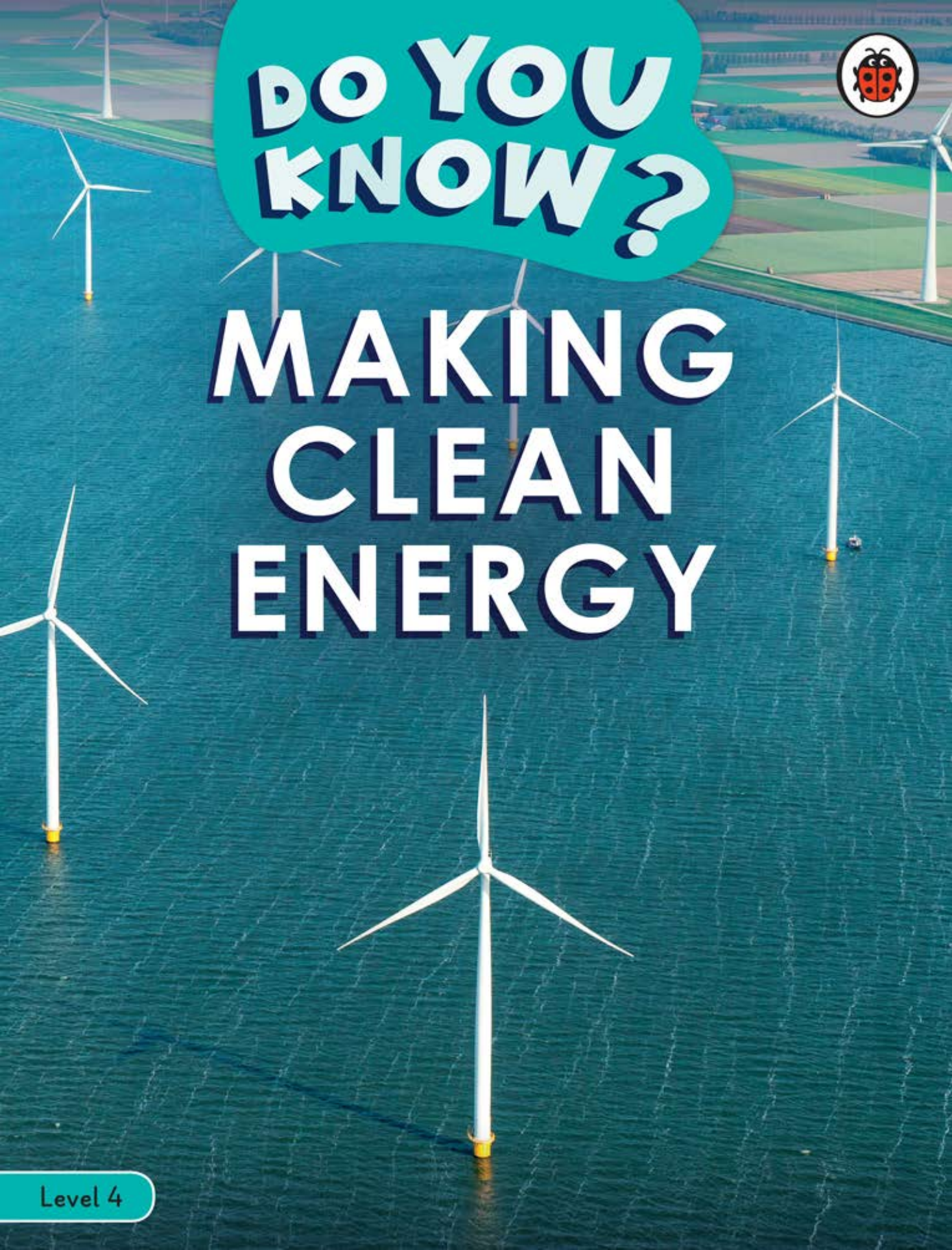




**DO YOU
KNOW?**

MAKING CLEAN ENERGY

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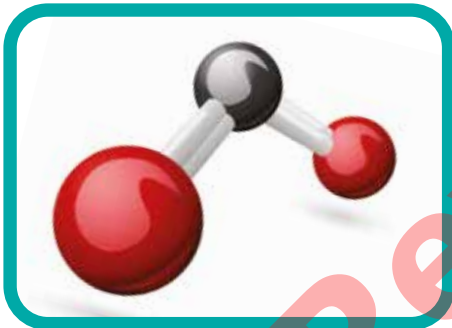
New words



air



burn
(verb)



carbon dioxide
(CO₂)



cover
(verb)



drill
(noun)



energy



fuel
(noun)



heat
(noun)



melt



mine
(noun)



power
(noun)



tide

What is energy?

Energy is what makes things move or change. Most of the energy on Earth comes from the Sun. The Sun is a star, and it is very, very hot. The Sun's energy is light and heat, and some of it travels to Earth.



Animals and plants
need energy to live.
The Sun's energy goes
into animals and plants.



People have always
needed energy. People
first made fire over one
million years ago.



FIND OUT!

Use books or the internet to find out how much
of the energy on Earth comes from the Sun.
Where else does energy come from?

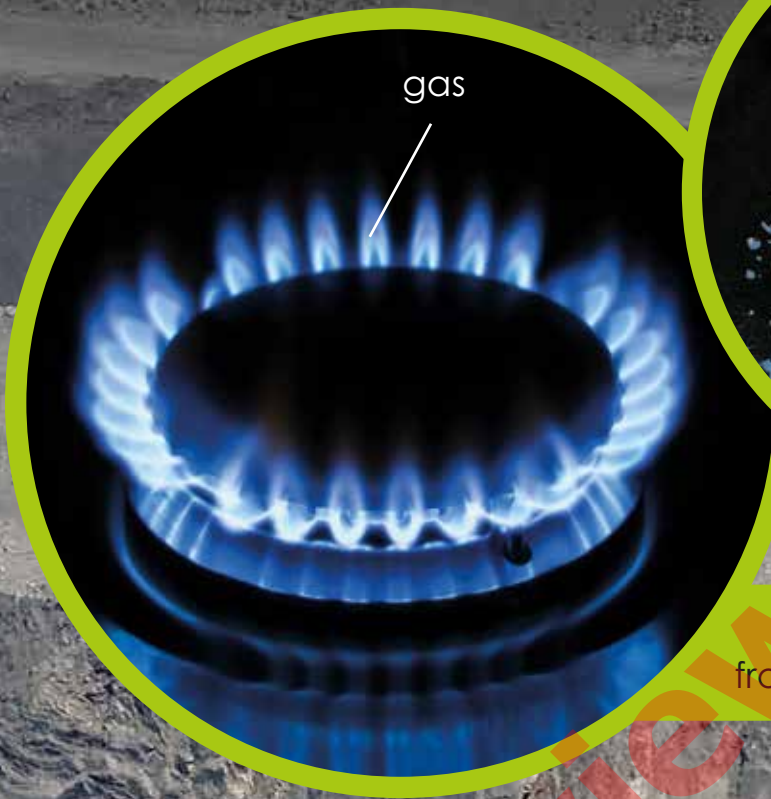
What are fossil fuels?

Coal, oil and gas are all fossil **fuels**. Fossil **fuels** are made from animals and plants. These **animals** and plants lived on Earth millions of **years** ago. When the animals and plants died, water and dirt **covered** them. Over millions of years, the animals and plants changed **into** fossil fuels.



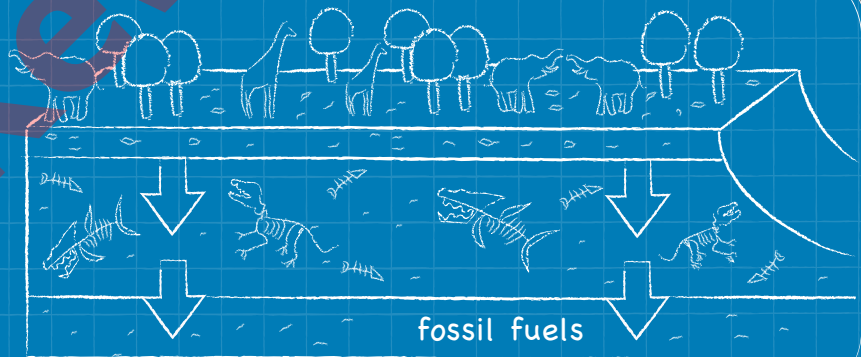
coal

Coal is made from plants.



Oil and gas are made from sea animals and plants.

How fossil
fuels are
made



WATCH!

Watch the video (see page 32).
What do people use fossil fuels for?

How do we find fossil fuels?

All fossil fuels are under the ground, so we make big machines to take them out. We use large **drills** to take oil and gas out of the ground. Then, we **burn** the oil and gas in factories, houses and cars, and to make electricity.



drill



We use machines in coal **mines** to take coal out of the ground. Then we burn the coal in factories to give us heat. We can also burn coal to make electricity.



These people work in a coal mine.



LOOK!

Look at the pages.

What do you think working in a coal mine is like?