

# How Solar Energy Works

Name \_\_\_\_\_

How people use natural solar energy

How the sun's energy reaches Earth

How solar cells work

Why use solar energy?

# Solar Energy

How solar power stations work

More ways to use solar power

How solar energy is stored



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# How Solar Energy Works      Name \_\_\_\_\_

Multiple Intelligences (naturalist, visual-spatial)

Design a solar-powered vehicle. Draw it below and on the lines underneath, describe how it works, what it looks like, how fast it goes, and any other interesting information about its features.



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# How Solar Energy Works

Name \_\_\_\_\_

What do you like to do on a sunny day? Look out the windows below and draw what you might see happening on a sunny day.


Record all the things you can think of to do on a sunny day.

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# How Solar Energy Works      Name \_\_\_\_\_

Punctuation makes reading easier. Full stops tell us when to take a breath, capital letters tell us that we are starting a new sentence or reading a proper noun (name), commas tell us to pause, and question marks tell us that the previous sentence is a question.

Rewrite each sentence and add punctuation to make it easier to read. Reread each sentence at the end to check.

\_\_\_\_\_

\_\_\_\_\_

solar energy is energy from the sun it travels through space and reaches earth as heat and light

\_\_\_\_\_

\_\_\_\_\_

it is easy to see the light and feel the heat the sun is a powerful source of energy the suns energy

\_\_\_\_\_

\_\_\_\_\_

is also renewable meaning that it does not run out

\_\_\_\_\_

\_\_\_\_\_

people know how to harness store and use solar energy

\_\_\_\_\_

\_\_\_\_\_

people use solar energy all the time without even realizing it

\_\_\_\_\_

\_\_\_\_\_

they use the heat and light of the sun to survive

\_\_\_\_\_

\_\_\_\_\_

how do plants use solar energy

\_\_\_\_\_

\_\_\_\_\_



# How Solar Energy Works      Name \_\_\_\_\_

Write new captions for the photos on these pages of the book. The caption needs to tell about the photo and also link to the writing on the page.

page 8 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Page 9 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Page 17 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Your choice \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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# How Solar Energy Works      Name \_\_\_\_\_

You have learned that solar power has some big advantages:

- The fuels we use to run our cars are not renewable, which means they will eventually run out. Also, it costs a lot of money for families to buy fuel for their cars. Since the price of fuel is so high, some families need to be careful that they have enough money left to buy food and other essentials.
- Solar energy is clean and does not pollute the environment.

Write a letter to your local member to explain how it would help your family and others, both now and in the future, if our community began to switch to solar energy.

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How would less pollution benefit all life on Earth?

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# How Solar Energy Works

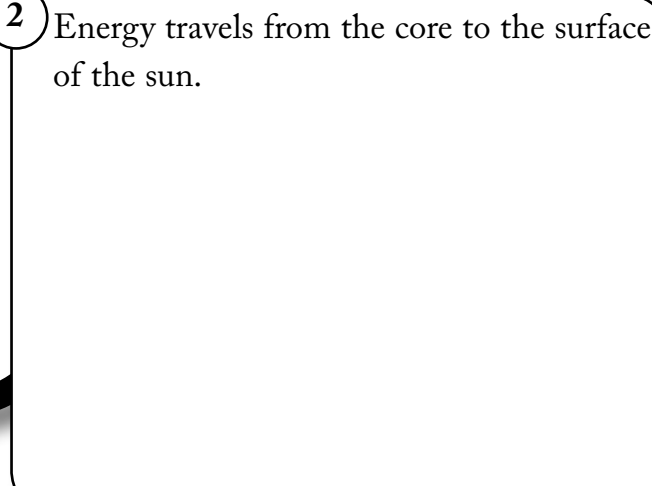
Name \_\_\_\_\_

Explaining something clearly can be tricky. A picture or diagram can help make an explanation clear. Draw a picture for each stage of this flowchart to help readers understand how the sun's energy reaches Earth.

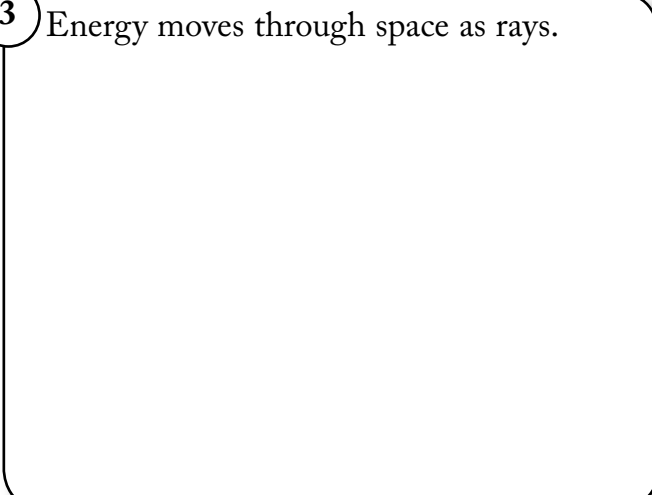
1 Explosions in the sun's core release energy.



2 Energy travels from the core to the surface of the sun.



3 Energy moves through space as rays.



4 Energy in the sun's rays reaches Earth.

