

SCIENCE

Student Book

► **1st Grade** | Unit 8

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ENERGY

SCIENCE 108

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LIFEPAC Test | Pull-out



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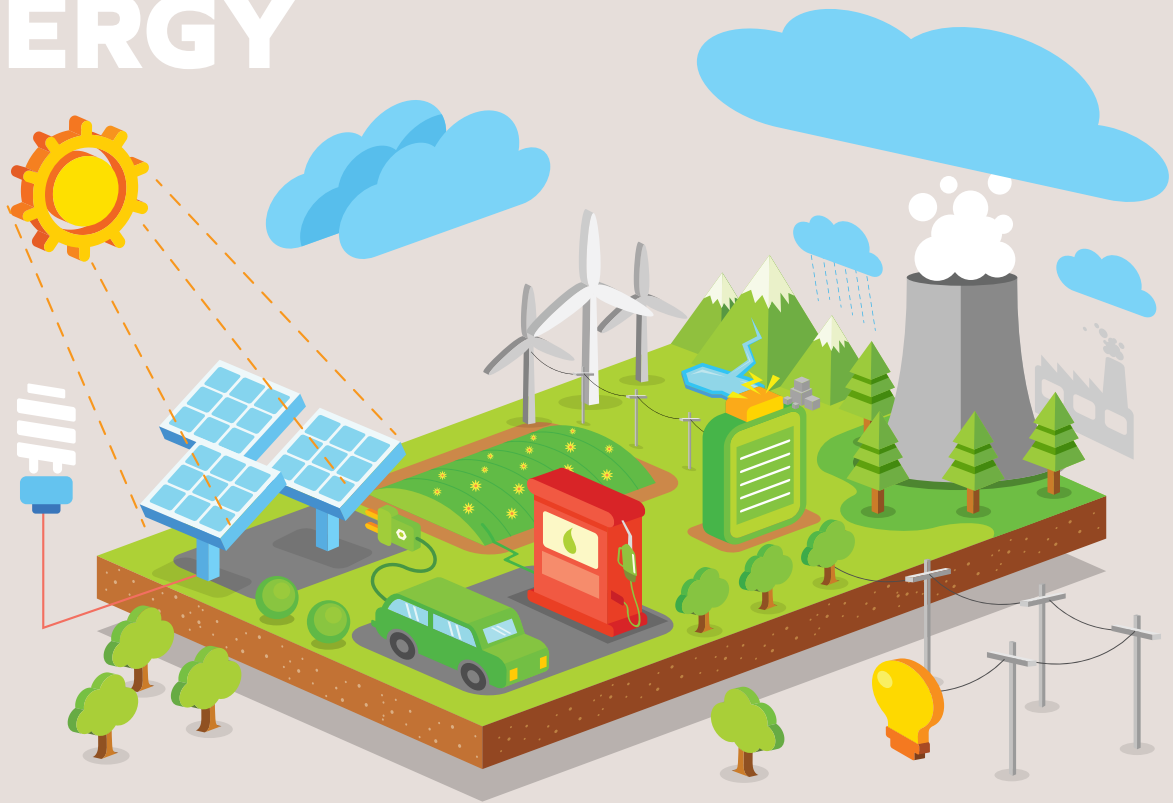
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ENERGY



We use energy every day.
You will learn where energy comes from.
You will learn about the different kinds of energy.
You will also learn how to save energy.

Objectives

Read these objectives. They will tell what you will be able to do when you have finished this LIFEPAK®.

1. I will know about energy.
2. I will know about the energy we use.
3. I will know how to save energy.

1. ENERGY FROM GOD

The world was made by God.

Energy is needed for everything that grows.

Energy comes from the sun.

The sun was made by God.



**And God said, “Let there be light,”
and there was light.**

Genesis 1:3

Sun

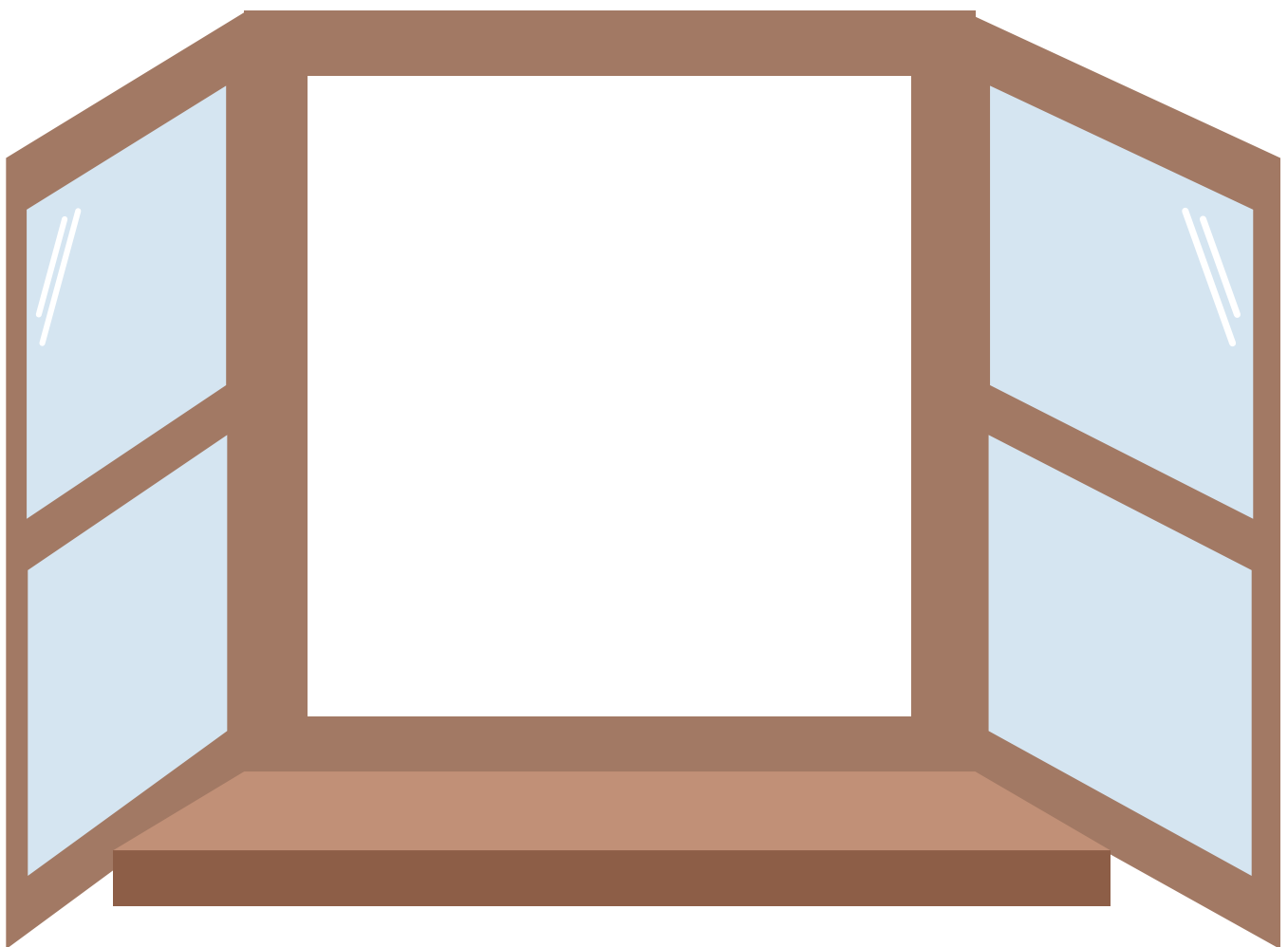
Light comes from the sun.

Look outside a window. Can you see a tree?

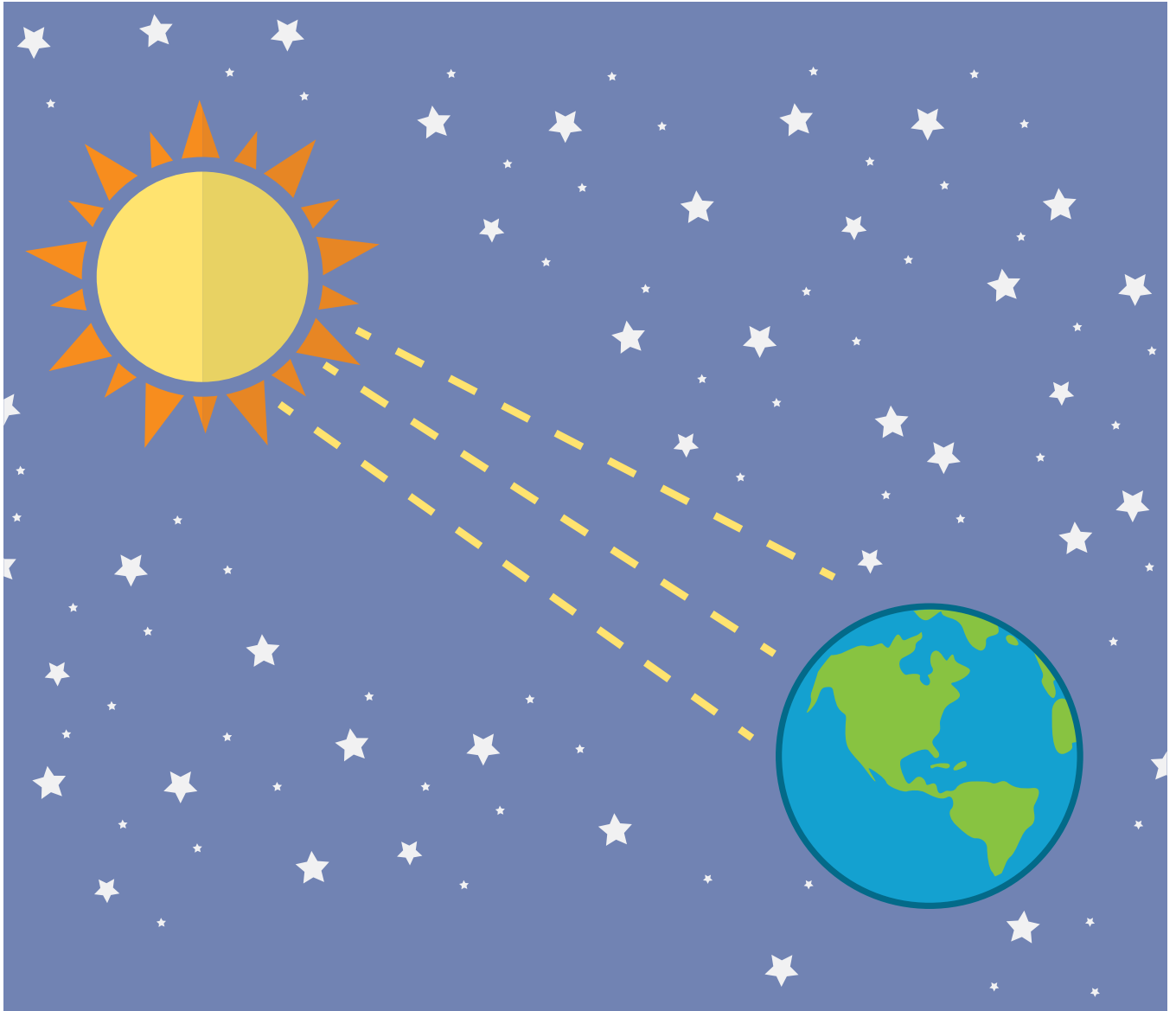
Can you see a car? You can see outside because the sun is making light.



Draw something you can see outside a window in your house.



Light energy changes into heat energy.
Do you feel warm when you stand in the sun?





Energy is needed for all living things.
Plants use light energy and
heat energy to make food.
This food is what makes plants grow.
Plants are food for many animals.

Food makes animals grow.
People eat plants and animals.
This food makes people grow.
Energy from the sun provides
all of this food!



Energy from the sun is also called solar energy. Solar energy is used to heat homes. It is also used to make electricity.



Fill in the missing letters for each word.

Light and heat come from the _____ n _____.

_____ l _____ t _____ s use light energy and heat energy.

Food makes animals _____ o _____ w _____.

Energy from the sun gives us _____ o _____ d _____.

Wind

Look around. You might be looking at your book, or your pencil, or the chair you are sitting on. Can you see the air around you? We cannot see, hear, or feel air.



Now think about wind. Wind is moving air. We can feel and hear wind. We cannot see wind. We can only see things that the wind moves. Wind is a form of energy.

Look at the windmill.
Wind causes the windmill to turn.
Windmills can pump water and make electricity.





Write *can* or *cannot* in each blank.

We _____ (can, cannot) see air.

We _____ (can, cannot) feel air.

We _____ (can, cannot) feel wind.

We _____ (can, cannot) see wind.

We _____ (can, cannot) see things that the wind moves.



Make the wind work. Make a pinwheel.

You will need:

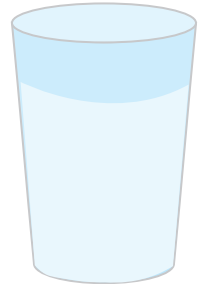
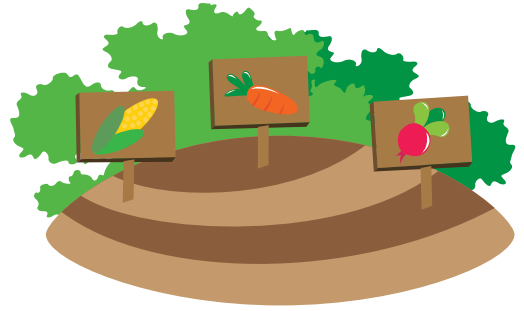
- scissors
- a pencil
- crayons
- a pin or a small nail

1. Cut out the next page of your book on the dotted line.
2. Cut out the square and color it on both sides.
3. Cut to the end of each dotted line.
4. Ask someone to help you bring each of the corner dots to the center dot.
5. Push the pin or small nail through all the dots into the pencil eraser.
6. Find some wind and see if your pinwheel turns!

Water

You know that God made the sun and the wind. God also made water. Plants need water.

People need water, too. Let's think of how we use water. We use water to take a bath. We use water to wash clothes. Can you think of more ways we use water?



SELF TEST 1

Each answer = 1 point

Write the correct word on the line.

Wind is moving _____ .
water / air

_____ is needed for all living things.
Energy / Sun

Many animals eat _____ .
water / plants

Energy from the _____ gives us light and heat.
wind / sun

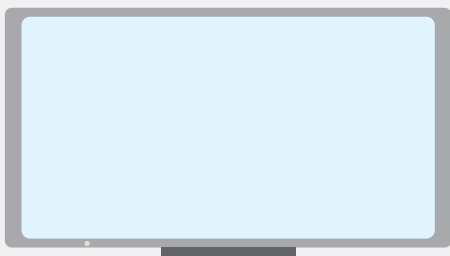
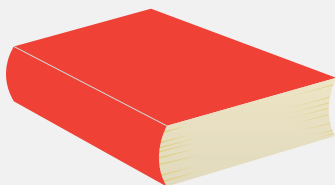
We can feel and hear _____ .
energy / wind

Electricity is made from the sun, from the wind, and
from _____ .
air / moving water

Circle *yes* or *no*.

We can see air.	yes	no
A toaster needs electricity.	yes	no
Light comes from the sun.	yes	no

Circle things that use electricity.



Teacher Check

Initial Date



My Score



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