

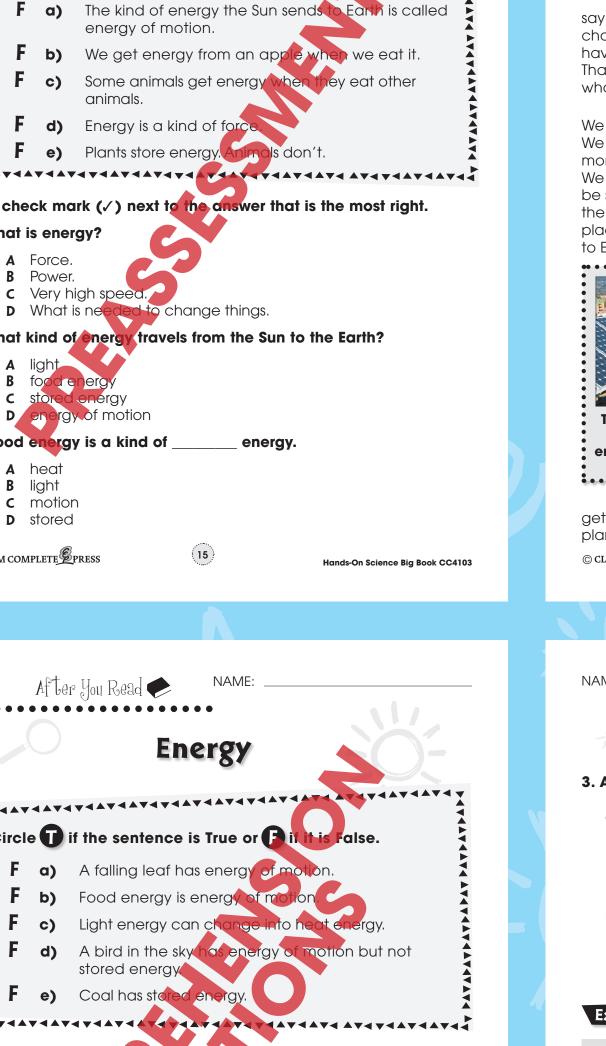
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Reading Passage

NAME:

Energy

nergy is like happiness. It's hard to say what it is, but you know when you've got it. People say that energy is what you need to change things. But let's wait until we have looked at all the kinds of energy. That is the best way to get a feel for what energy is.

We need a lot of energy here on Earth. We need energy to get up in the morning. We need it to cook breakfast. We need it to travel to school. You may be surprised to learn that almost all of the energy we use came from just one place—the Sun! The Sun sends energy to Earth in the form of **light energy**.



These are called solar cells. The Sun beats down on them. They take in energy from the Sun. They change this : nto electricity.



The plant stores energy from the sun. The bug gets energy when it eats the plant. The frog gets energy when it eats the bug.

When light energy meets the ground, some of it changes into **heat energy**. That is how Earth stays warm enough for us to live here. Some of the light energy is also changed into **food energy** by green plants. This is a kind of **stored energy**. It is stored in plants until we eat them. Then, we have energy to do things. If we eat meat, the energy we

get comes from what is stored in the animal. The animal got it from eating

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			Afte	r You Read NAME:	
V			0	Energy	▼
* * * * * * * * * *		oircl	e 1	if the sentence is True or P it it is False.	4444
44444444444444444444444444444444444444	T T T	F F F	a)b)c)d)e)	A falling leaf has energy of motion. Food energy is energy of motion. Light energy can change into heat energy. A bird in the sky has energy of motion but not stored energy. Coal has stored energy.	Y
2.	Five 1 to	ener 5.) A	anges are shown. Put the changes in order from man gets energy by eating meat from the cow.	
	LASSROO	d d) The Gr	e man uses energy stored in his body to run. ass changes light into stored energy. cow eats the grass.	

NAME:	— After You Read 🗭
7.7. 秦	Energy
3. Answer the questions in full	
	sky into a lake. The stored energy and ges as the drop falls. Explain how.
b) Explain what keeps the	Earth warm enough for us to live here.
Extension & Application	ed energy is changing into energy of
	ce around your house or outside. Tell about
	rgy of motion is changing into stored ce around your house or outside. Tell about

Study Adaptations in Birds

Nine birds are shown here.

- The eagle and the owl eat small animals.
- The sparrow eats seeds.
- The flamingo and the heron stand in the water as they look for fish to eat. The kingfisher and the pelican fly over water as they look for fish to eat.
- The hummingbird eats nectar from flowers.
- The woodpecker eats bugs and worms that live in the trees.

These birds all have adaptations that help them get their food.

- 1. Can you see how each beak is adapted to get the food they like?
- 2. How are their legs adapted to get the kind of food they like?
- 3. How are their feet adopted to get the kind of food they like?

Option A: Go to a place where you will see wild birds. Look at the kind of place they live. Do they swim and dive in water? Do they live in trees? Try to see what they eat. Do they eat plants or animals? Can you see any adaptations that help them live where they live and eat what they eat?

Option B: Go to a zoo with a group of students. Ask your teacher to call the zoo first. Have the teacher find out when they feed each kind of bird. At the zoo, watch the birds eat. Look for adaptations that help each bird eat. Look for adaptations that help each bird catch food.

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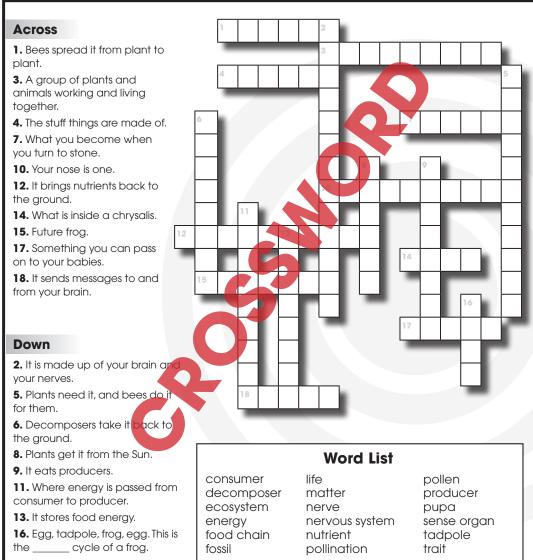


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After You Read



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NAME:

Comprehension Quiz

Part A

Circle if the sentence is TRUE or if it is FALSE.

- Clouds are a gas that we can see
- Summer comes after spring.
- A Mediterranean climate has rainy winters.
- The Moon is a planet.
- All places on Earth get about the same amount of rain.
- Erosion is a problem for f
- A city can get all its energy from the Sun.



Part B

Put a check mark (\checkmark) next to the answer that is the most right.

- a) Which is precipitation
 - O A evaporation
 - O B lava
 - O **c** shado
 - O **D** snow
- b) Most of Earth's water is
 - O A frozen
 - O B in rivers
 - O **c** in the oceans
 - O **D** under the ground

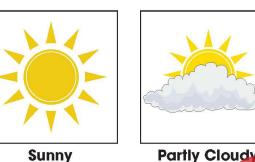


SUBTOTAL:

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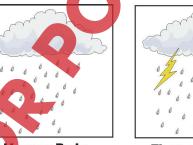
You might see these pictures on a map that tells what the weather is going to be like.





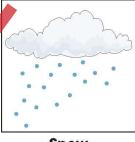


Partly Cloudy

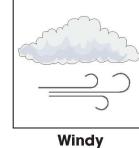




Heavy Rain



Snow



Snow & Rain



Light Rain



After	You	Read	
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NAME: _

Adaptations

$\widetilde{1}$.	Put	t a ch	neck	mark (/) next to the answer that is the most right.			
	a) Which animals live in groups?						
		O C	ant cat sna spic	rs ikes			
	b)			eaches a spider how to make a web. Web building is location of			
		O C	a tr surv an spic	vival instinct			
2.	✓▲▼ . Cir	rcle (↑ A▼<	the sentence is True or F if it is False.			
		F	a) b)	A baby bird learns how to build a nest from its parents. Bees can tell each other where the best flowers are.			
	T	F	c)	Some animals hunt in groups.			
	T	F	d)	Giraffes get long necks from stretching to reach high leaves.			
	T	F	e)	If you learn how to swim, your kids will know how to swim without learning.			
1	T	F	f)	Plants have survival traits.			
	V 4 A	V	74				

a) Answers will vary, but may include: Wolves live in groups. It is better to hunt in a) 🕜 C a) 🕜 A a group. b) 🕜 C b) 🕜 D **b)** Answers will vary, but may include: Giraffes have a long neck to help reach more leaves. A wellc) 🕡 D fed giraffe will live longer and have babies that will live longer. a) **[** d) **(F**) a) **1** Answers will vary.

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b) **(**

c) **[**

d) **(1**

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