

Reading and Writing in Science



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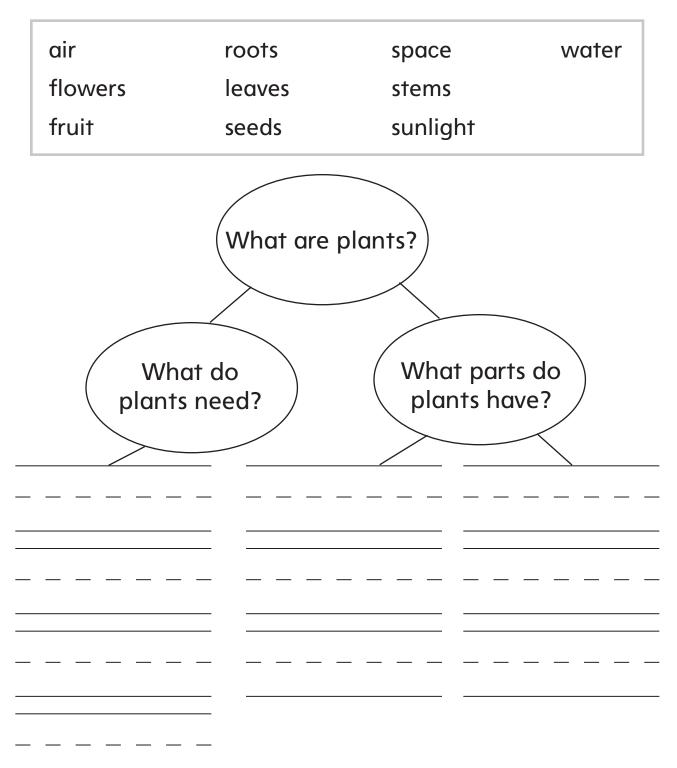
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Ν	ar	ne	
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Fill in the important ideas as you read the chapter. Use the words in the box.



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Tommy

Read the poem on page 22.



Write About It

Response to Literature

I. What did the poet do to help the seed grow?

2. What else do you think seeds need to grow?

3. Draw a picture that shows what the poet is writing about. Use drawing paper.

Plants Everywhere

Use your book to help you fill in the blanks.

What are plants? _ _ _ _ _ _ _ _ _ _ I. Just like you, _____ are living things. _ _ _ _ _ _ _ _ _ _ **2.** ______ from plants grow into new plants. 3. The seeds will make a new plant that looks like _ _ _ _ _ _ _ _ the _____ plant. _ _ _ _ _ _ _ _ _ _ 4. Not all plants look the ______. Where do plants live? 5. Plants live almost everywhere on _ _ _ _ _ _ _ _ _ _

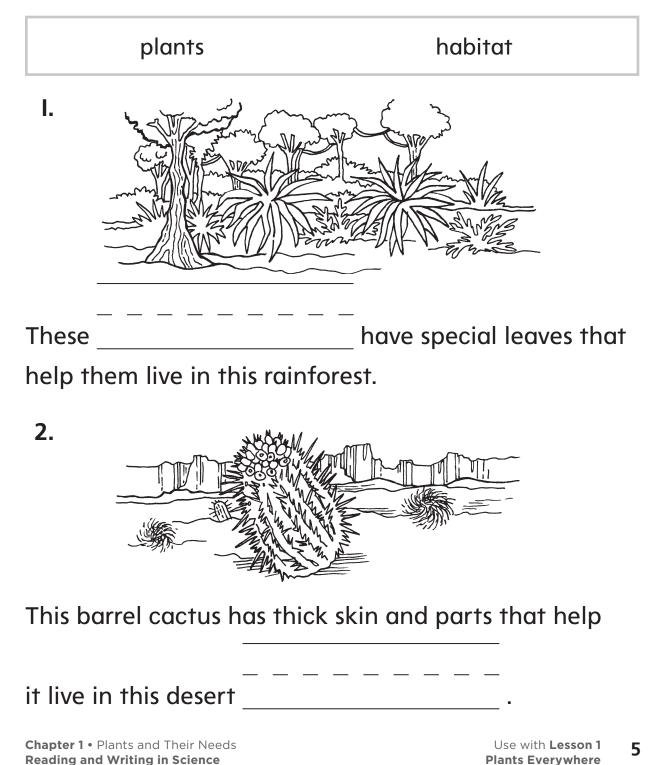
	Outline Name Date
6.	Plants have that help them
	live in different habitats.
7.	A is the place where plants
	get what they need to live.
8.	habitats are very wet.
Su	mmarize the Main Idea
9.	What are some things that make you like a plant?
	What are some things that make you different?
<u> </u>	
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Plants Everywhere

Complete the sentence that tells about each picture. Use the words in the box.



Plants Everywhere

Fill in the blanks. Use the words from the box.

rainforest	seeds	parent	plants	habitats		
Plants can	live just a	bout anyw	here on Ec	ırth.		
They have parts that help them live in different						
		_ Plants th _	nat live in t	he		
have long pointed leaves that						
help them live in wet places. In the desert, there is						
very little rai	n		that	live there		
have thick skins that hold a lot of water.						
Many new	plants gro	ow from				
The new plants will look just like their						
		plants. A	tall parent	plant will		
make new pl	ants that	will be tall	, too.	-		

What Plants Need

Use your book to help you fill in the blanks.

Do all plants need the same things to grow?

I. Plants need water, air, sunlight to grow.	, and
2. Some plants need a with a lot of sun to grow.	place
3. Other plants grow in	places.
How do plants use sunligh	nt?
4. All living things need live and grow.	to
5. Plants get the energy the	y need to live from
the	_

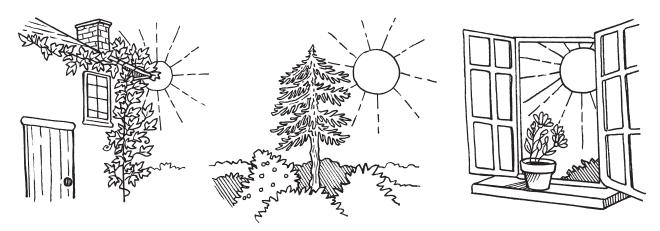
	Outline Name	_ Date
6.	Plants grow toward the Sun to help th	em
7.	Some plants need a lot of sunlight to	
8.	Other plants can grow with only a	
	sunlight.	
Su	mmarize the Main Idea	
9.	What do plants need to grow?	

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Vocabulary

What Plants Need

Look at each picture. Then answer the questions below.



Circle the best answer.

I. Which way are the plants in the picture growing?

away from the Sun

toward the Sun

toward the ground

2. How does the Sun help the plants in the pictures?

It gives them energy.

It gives them a tan.

It keeps them warm.

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energy

water

space

sunlight

What Plants Need

Fill in the blanks. Use the words from the box.

Plants	need	four	things	to	arow	and	be
IUUIIJ	nccu	IUUI	mings		giow	unu	

healthy. All plants must have

_	 	 	 				
				 to	keep	the	m

from drying out. Plants also need air and

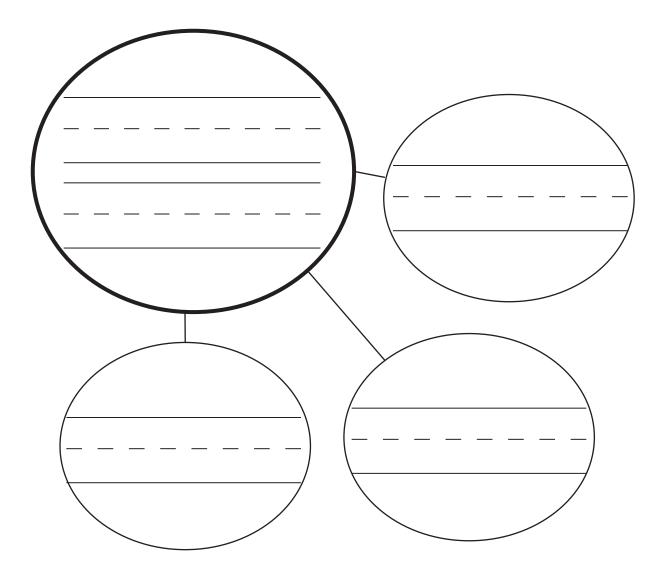
 around	them	to	grow	larger.	

All plants need	 , too. The Sun
gives plants the	 they need to

make their own food.

Strawberry Fields

Read the Reading in Science pages in your book. Start with page 38. Look for the main idea and details as you read. Remember, the main idea is the most important idea in the reading selection. Details give more information about the main idea. Fill in the web below. Write the main idea in the top circle. Write three details in the other circles.



Reading



Write About It

Find Main Idea and Details What do strawberry plants need to help them grow? Finish this summary. Use the Main Idea and Details web you made on page II.

Strawberry plants need three things to grow. They

need	
They also need	
Strawberries also need	
to help them grow.	

Parts of Plants

Use your book to help you	fill in the blanks.
What are the parts of a	a plant?
I. Plants have	to help them
get what they need.	
	_
2.	_ use sunlight and air to
make food.	
3. Water and food move	through the
	- -
	_ of the plant.
4. Some flowers grow int	ο

_ _ _ _ _ _ _ _ _

5. Fruits have ______.

Outline Name	Date
What do roots do?	
6. A plant's	take in water and
nutrients from the soil.	
7. Nutrients help the plant	
8. Roots keep plants in the	
9. Roots store	for some plants.
Summarize the Main Idea	1
10. What do plant parts do?	
Chapter 1 • Plants and Their Needs	Use with Lesson 3

Chapter 1 • Plants and Their Needs Reading and Writing in Science

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Parts of Plants

Label each plant part. Use the words from the box.

seeds	stems	roots
fruit	leaves	flowers
I. 		
2.		×

Parts of Plants

Fill in the blanks. Use the words from the box.

Different plant parts he what it needs to live. A	1 1 3	seeds stem
Water and food pass th	to make food. hrough the	leaves nutrients roots
	of a plant. The	
	hold a plant in the s	oil. They
also take in Nutrients help the plan	from the from the from the from the	
	. New plants can gro	ow from

Name _____ Date _____

Writing

Writing in Science

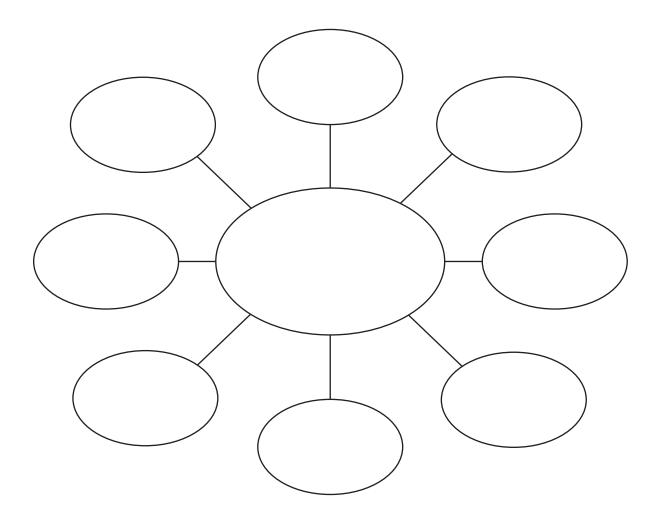


Write About It

Tell about a plant. Describe it.

Getting Ready

Use the web. Write the name of your plant in the center. Write describing words in the circles.



_ _ _ _ _ _ _

Write about your plant. Start with a main idea. Write sentences that describe the plant.

_ _

Revising and Proofreading

Now look at your paragraph. Ask yourself:

- Did I write a main idea about my plant?
- Did I include information to describe it?
- Did I correct all mistakes?

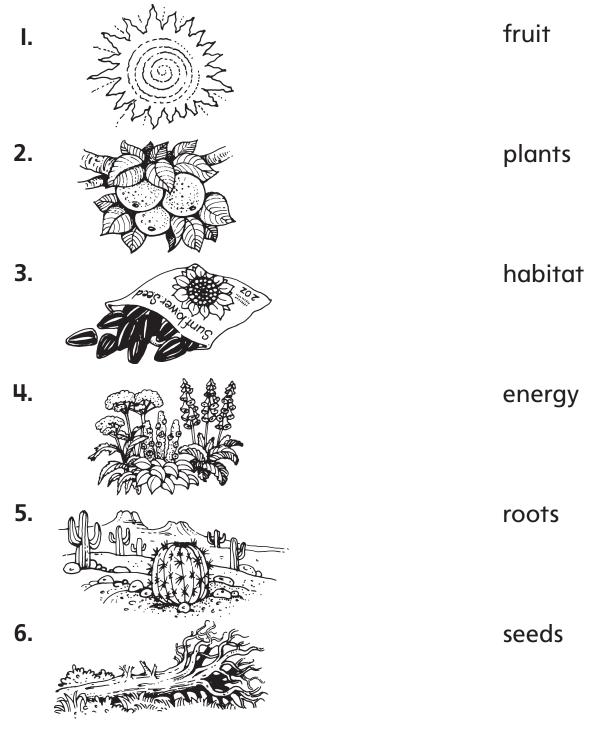
Search-a-Word

Circle the six vocabulary words hiding in the puzzle. Look across and down. The word roots is used two times. Can you find it?

	energy roots habitat seeds			plo fru	ants uit		
b	f	d	f	i	n	h	S
е	r	ο	ο	t	S	a	e
n	u	р	r	m	е	b	e
е	i	t	x	У	I	i	d
r	t	р	I	a	n	t	S
g	d	r	с	е	S	а	t
у	е	Ι	r	ο	ο	t	S

All About Plants

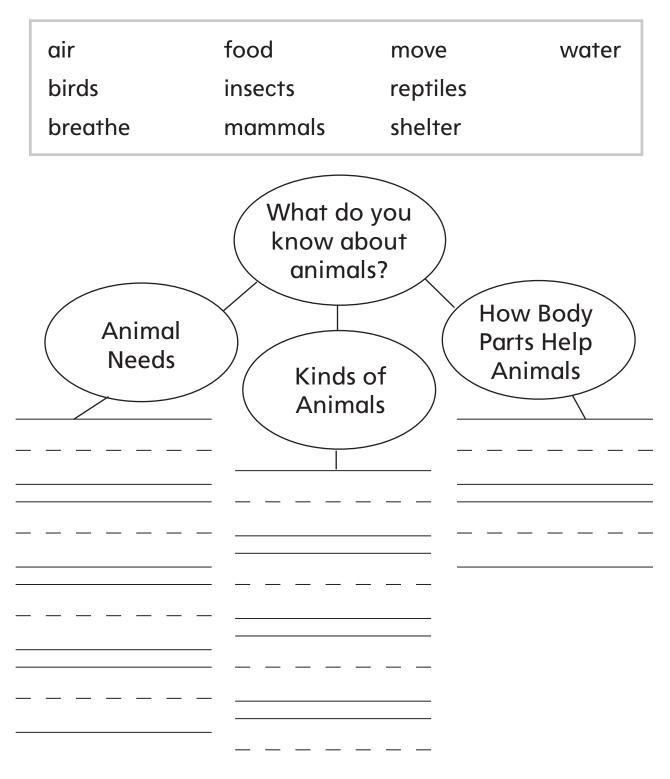
Draw a line from the picture to the word that tells about the picture.



20 Chapter 1 • Plants and Their Needs Reading and Writing in Science

Name	
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Fill in the important ideas as you read the chapter. Use the words in the box.



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Giraffes

CHAPTER LEVEL

Literature

Read the poem on page 62.

T	Write About It
	Response to Literature

I. Write two things from the poem that tell what giraffes look like?

I.	 	 	 	 	 							
2.	 	 	 	 	 _	_	_	_	_	_	_	

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _

_ _ _ _ _ _ _ _ _

2. Write a sentence that tells about an animal that you like. Tell why you like this animal. Draw a picture.

Animals Everywhere

Use your book to help you fill in the blanks.

What are some kinds of animals?

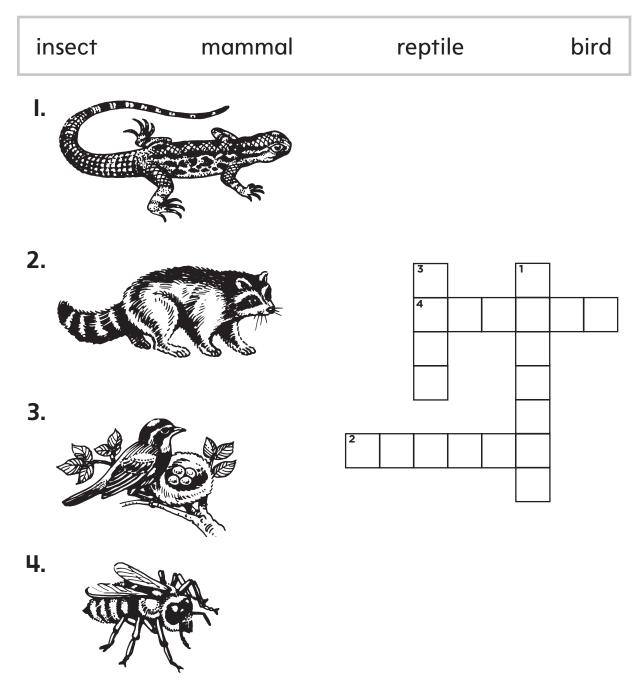
I.	with hair or fur.	are a group of animals
2.	Mammals take care of	their
3.	Birds are a group of an	imals that have
		•
4.	Young birds hatch from	
Wł	nat are some other ty	pes of animals?
5.	Reptiles have dry skin t	hat is covered

	Outline Name Date
6.	Snakes, lizards, and alligators are all
7.	Ants, butterflies, and grasshoppers are
	all
8.	Insects are animals that have three body parts
	and legs.
Su	mmarize the Main Idea
9.	What are some kinds of animals? How are they different?

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Animals Everywhere

Use the picture clues to help you solve these crisscross puzzles. Use the words from the box.



Cloze Test	
-------------------	--

Date	
Date	

Animals Everywhere

Fill in the blanks. Use the words from the box.

Body coverings help animals live in their habitats. Fur helps some	mammals scales feathers
stay warm in	
cold habitats. Birds use their covering	
of to help them fly the trees.	over
A reptile's smooth	help it
live in hot, dry places. Body coverings can	also help
you tell different kinds of animals apart.	

What Animals Need

Use your book to help you fill in the blanks.

What do animals need?

- _ _ _ _ _ _ _ _ _ _ I. Animals are ______ things.
- 2. They need food, water, air, and a

_ _ _ _ _ _ _ _ _ _ _____ place to live.

- _ _ _ _ _ _ _ _ _ 3. Animals live in ______ kinds
 - of places.
- _ _ _ _ _ _ _ _ _ **4.** A _______ is a place where animals can live and be safe.

_

-

	Outline Name	Date _	
Wł	nat parts do animals l	have?	
5.	Animals have different get what they need.		to
6.	Some animals have help them move fast.		that
7.		help fish swim.	
	nmarize the Main Idea	help birds fly to find	
9.	What are some things a	animals need to live	?

_

_

What Animals Need

Unscramble the word. Then write it on the line.

		relshet	_
I. A hole in a t an owl.	ree can be a		_ for
	nisf		
		, and wings are , and wings are t animals use to help)
		gusln	_
3. Mammals a that help th			_
	glils		
4. Fish use get air.		to help them	

What Animals Need

Fill in the blanks. Use the words from the box.

Animals use different body parts to help them get what they need. Legs, , and wings	gills shelter fins air
help animals move. Moving lets animals find water, food, and	lungs
Body parts als	o help
animals get So like mammals and birds, have noses an	ome animals, d
to help them ge	et air.
Other animals, like fish, have By using their body parts, animals get a and shelter.	air, food, water,

Writing in Science



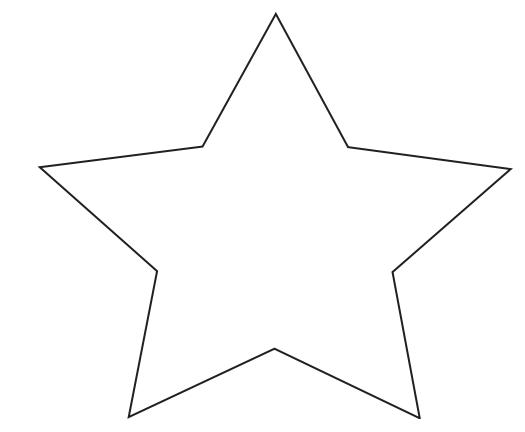
Write About It

If you have a pet, write about how you make sure it gets what it needs.

If you don't have a pet, write about a pet you wish you had. Draw a picture to go along with your writing.

Getting Ready

Write the name of your pet in the center of the star. Write what it needs in the points.





_____ Date _____

Drafting

The main idea is the most important idea. Write a main idea about you and your pet.

Now write about you and your pet. Begin with your main idea sentence. Tell about your pet's needs.

Revising and Proofreading

Now look at your paragraph. Ask yourself:

- Did I begin with my main idea?
- Did I include information about the pet's needs?
- Did I correct all mistakes?

Name	Date Outline
How Anima	ls Get Food
Use your book to h	help you fill in the blanks.
What animals e	at plants?
I. Animals eat for they need to li	bod to get the
2. Different things.	eat different
3. Some animals	are
4. A herbivore is	an animal that eats only
What animals e	
5. Some animals	are

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ΠĤ	Ηr	

6. A carnivore is an animal that eats only

other	 ·
7. Tigers, are all carn	, and eagles

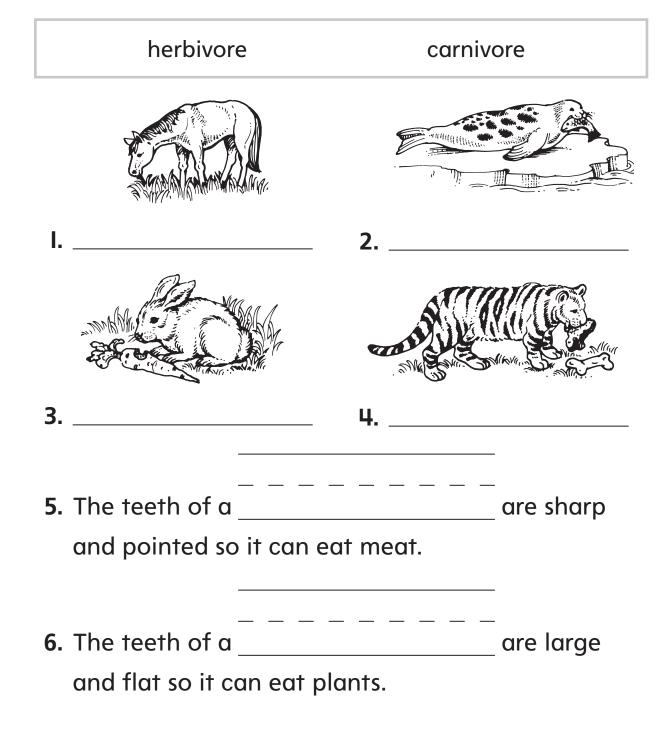
Summarize the Main Idea

8. How do animals get the energy they need? Tell the difference between meat-eating and plant-eating animals.



How Animals Get Food?

Write a word from the box to tell about each picture or complete each sentence below.



What Animals Need

Fill in the blanks. Use the words from the box.

Animals use their teeth to get the food

they need. Animals that eat

have sharp,

pointed teeth. Scientists call these

plants carnivores herbivores meat

animals ______. Animals that eat

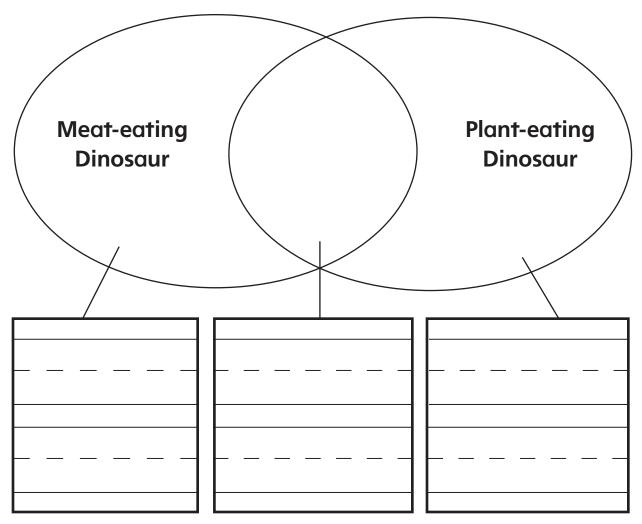
have large, flat teeth.

Scientists call these animals ______.

People have both kinds of teeth, which help them eat both meat and plants.

Meet Jin Meng

Read the Reading in Science pages in your book. Start with page 88. Look for information that you can compare and contrast as you read. Remember, to compare is to decide how things are alike. To contrast is to decide how things are different. Fill in the diagram below. Tell how a dinosaur that eats meat is different from a dinosaur that eats plants.



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Reading

_ _ _ _ _ _ _ _ _



Write About It

Compare and Contrast How does a scientist who studies fossils recognize a meat-eating dinosaur? Finish this explanation. Use the Compare and Contrast diagram you made on page 37.

Scientists who study fossils can tell if a dinosaur is a

meat eater	[,] or a plant	eater by	
------------	-------------------------	----------	--

The teeth of meat eaters are ______.

The teeth of plant eaters are flat and wide. Scientists

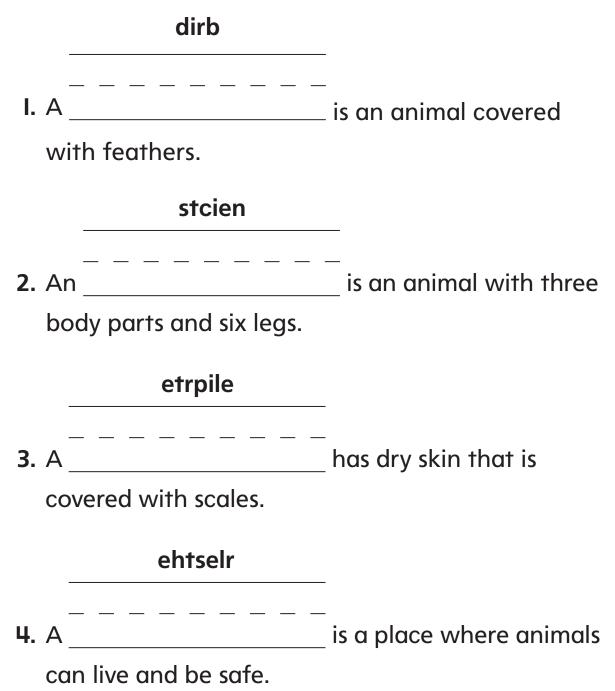
also look at the dinosaur's stomach. A meat eater may

_ _ _ _ _ _ _ _ _ have ______ in its stomach.

A plant eater does not.

Animal Scramble

Unscramble each word. Write it on the line.



Which Word?

Circle the words in each box that tell about the word at the top of the box.

5. herbivore	6. carnivore
plant eater	giraffe
meat eater	cat
cow	flat teeth
lion	pointed teeth
flat teeth	meat eater
7. mammal	8. birds
live young	wings
dry skin	feathers
fur or hair	hard shell on back
six legs	lay eggs
lungs	gills

Complete this food chain to show how plants and animals need each other. Use the words in the box.

wolf	carrots	Sun	rabbit
	NM J	2.	
	L. M. T.		/
3.		4.	

To Be a Clover

Read the poem on page 102.



Write About It Response to Literature

I. Would the poet like to be a clover or a leaf?

Use the poem to tell how you know.

 A bee and a grasshopper are insects. Name two more insects that you know.

3. Do you think "To Be a Clover" is a good title for the poem? Why or why not?

Use your book to help you fill in the blanks.

How do plants and animals live in a grassland?

I.	Many animals live in	
2.	A grassland is a a lot of grass.	place with
3.	An is a special f helps an animal stay alive in its habitat	
4.	have long neck have long neck them spot animals that might want to and to eat the leaves off tall trees.	
5.	A tree can be a animals and even for other plants.	for many

How do plants and animals live in a forest?

_ _ _ _ _ _ _ _ 6. A ______ is a place where there are a lot of trees.

7. Some animals use the trees for

Summarize the Main Idea

_ _ _ _ _ _ _ _ _ _

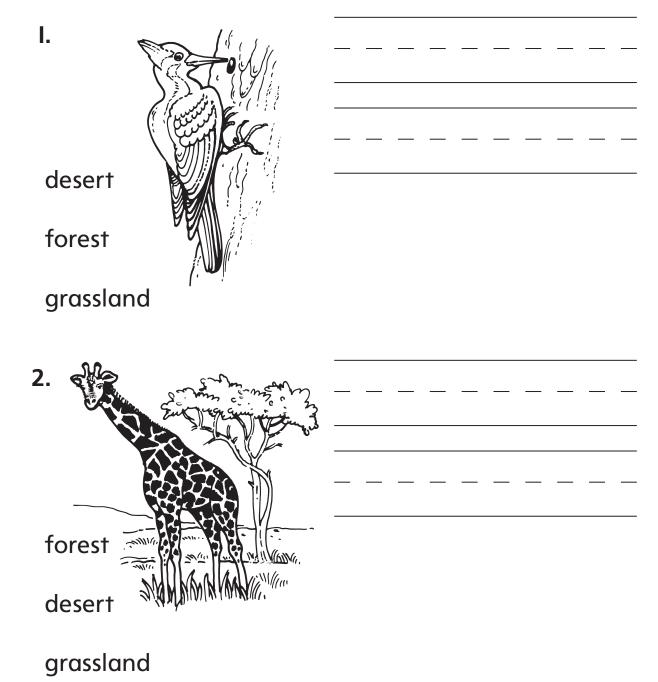
_____.

8. How do plants and animals live in land habitats?

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _



Circle the name of the habitat shown in each picture. Then tell about an adaptation that helps the animal live in this habitat.



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Fill in the blanks. Use the words from the box.

trees	adaptation	forest	grassland
Different	plants and anima	ls live in diffe	erent land
habitats.	A grassland and a		·
are two o	of these habitats. ⁻	Γο live in α	
	, plo	ants and anir	nals must
adapt to	a grassy, dry place	e. A forest is a	a place with
lots of		Forest p	lants and
animals h	ave	the	at help them
get what	they need.		

_ _ _ _ _ _ _ _ _ _

Water Habitats

Use your book to help you fill in the blanks.

What lives in a pond?

- I. A pond is a small body of _____ water. _ _ _ _ _ _ _ _ _ _
- 2. Fresh water has little or no in it.
- 3. Plants and animals ______ together in ponds.

_ _ _ _ _ _ _ _ _

4. Many animals find food and shelter in a

_ _ _ _ _ _ _ .

.

_ _ _ _ _ _ _ _ _ _

What helps plants and animals live in the ocean?

_ _ _ _ _ _ _ _

5. An ______ is salty water that is

very large and deep.

6. There are many different mammals, fish, and

plants that					in the ocean.

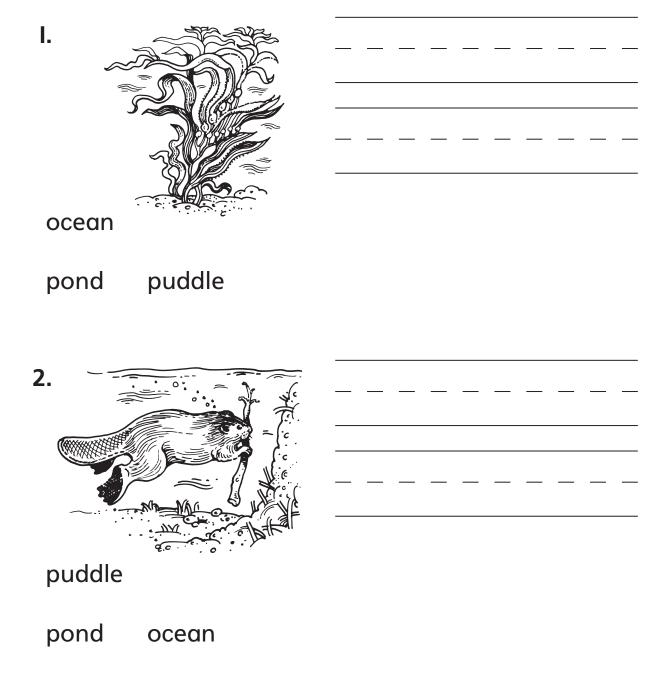
7. They need each other to ______ in the ocean.

Summarize the Main Idea

8. How do plants and animals live in water habitats?

Water Habitats

Circle the name of each habit shown in the picture. Then tell how living things have adapted to these habitats.



Water Habitats

Fill in the blanks. Use the words from the box.

ocean	pond	salt	fresh
Did you knov	w that water co	ould be a habita	at for plants
and animals?	? A	is a	small body
of fresh wate	er. Water that i		
has little or r	no salt in it. An		is
another kinc	l of water habi	tat. It is a large,	deep body
of	V	vater. Plants and	d animals
live together	in ponds and o	oceans. They he	elp each
other survive	e in their habitc	its.	

Meet Mark Siddall

Read the Reading in Science pages in your book. Start with page II8. Think about how to classify and categorize the information as you read. Remember, when you classify and categorize, you put things that are alike into groups. Fill in the chart below.

Where do leeches belong?

Animals that	Animals that		
Live in Water	Do Not Live in Water		

Why do leeches belong in this group?

Reading

Write About It

Classify and Categorize What is another animal that can live in water? Draw the animal. Then tell how you know the animal lives in water. Use what you know and ideas from the Classify and Compare chart you made on page 5I.

_ _ _ _ _ _ _ _ A _____ lives in water.

Plants and Animals Need Each Other

Use your book to help you fill in the blanks.

How do plants and animals help each other?

I.	Plants help	live.
2.	Animals use and food.	for shelter
3.	Bees help plants make	plants.
4.	Bees carry flower.	_ from flower to
5.	Pollen is powder inside a flower	that makes

_ _ _ _ _ _ _

Name	ڊ د	

Outline

Why do some animals need other animals?

6.	Animals need each to to survive.
	Sometimes animals can be to one another. Other times, one animal is helped and the other
	animal is
Su	mmarize the Main Idea
9.	What are some ways plants and animals help each other?

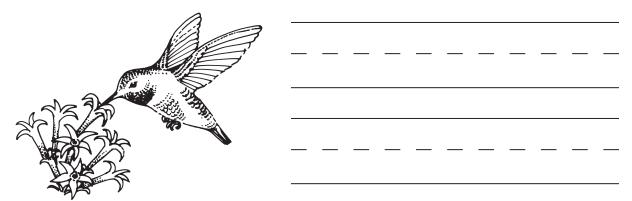
Plants and Animals Need Each Other

Tell how plants help animals survive.



_	_	 _	 _	_	_	 _	

Tell how animals help plants survive.



Tell how some animals help other animals survive.



Chapter 3 • Plants and Animals Together **Reading and Writing in Science**



Plants and Animals Need Each Other

Fill in the blanks. Use the words from the box.

animals	plants	seeds	shelter
Animals and	plants help ea	ch other in mo	ıny ways.
Some animal	s use		for food.
	use plants for can help plant	s by carrying p	, , pollen or
	 Ar	nimals may also	o need other
	to s	tay alive. Some	e animals eat

Food Chains

Use your book to help you fill in the blanks.

Wh	at is a food chain?
I. <i>A</i>	All living things need
2 . F	Food gives them
	A shows the order in which iving things get the food they need.
4. ł	Herbivores eat
5. (Carnivores eat
	An eats both plants

Outline

How does energy go through a food chain?

7.	The Sun is the _ food chain.		of every
8.	Plants are the food chains.		link in most
9.	People are at th food chains.	e	of many

Summarize the Main Idea

IO. What is a food chain?

 	·	 	 	



Food Chains

Read the sentences about food chains. Write YES if the sentence is true. Write NO if the sentence is not true.

 I. All living things get energy from food.
 A food chain shows the order in which living things get the food they need.
 3. The beginning of every food chain is the Sun.
 Plants get energy from the soil to make food.
 People are at the top of many food chains.
 6. Omnivores eat only animals.

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Name _____ Date _____

Food Chains

Fill in the blanks. Use the words from the box.

food chain Sun	plants	animals	link	omnivore
A	 	iows how (energy	y passes
through living thin	ngs. At the	e beginnin	g of e	very food
chain is the		F	Plants	are the first
link is made up of		nost food a hat eat	hains	. The next
	Aft	ter that ar	e the o	animals
that eat other			. An	
	is a	living thing	g that	eats plants
and animals. Omn of many food cha	-	ch as peop	ole, are	e at the top

Write About It Write about how the arctic fox gets what it needs to survive.								
Who?								
Who is the animal?								
What?								
What does it eat?								
When?								
When does it do this?								
Where?								
Where does it do this?								
How?								
How does it do it?								



Name _____ Date _____

Drafting

The main idea is the most important idea. Write a main idea about the arctic fox.

Now write your paragraph.

Revising and Proofreading

Now look at your paragraph. Ask yourself:

- Did I begin with a main idea?
- Did I describe what the arctic fox eats?
- Did I correct all spelling, punctuation, and capital letter mistakes?

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Name ____

Plants and Animals

Use the words in the box and the clues below to solve the puzzle.

grass ponc		nd	d ada oce			aptation ean				forest food chain				omnivore		
	1		2				3					4				
					5											
											6					
									7							

Across

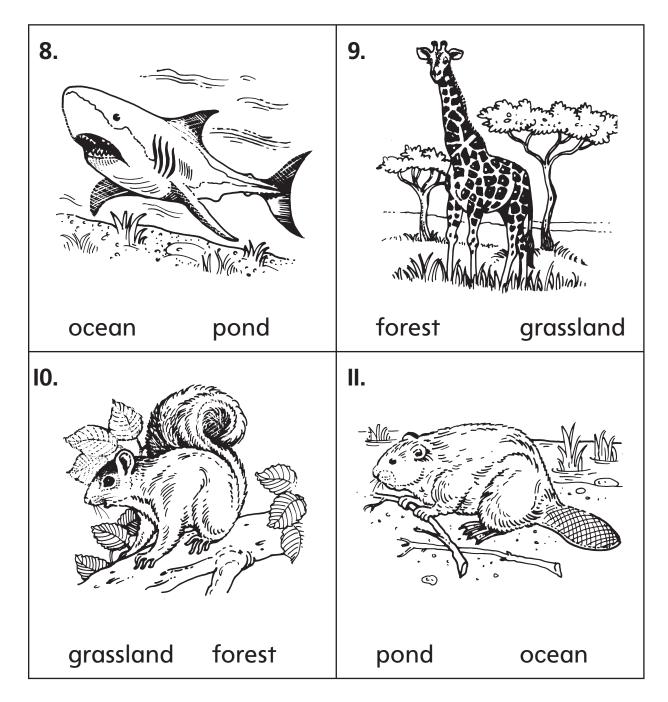
- I. Shows what animals eat
- 5. Dry, grassy place
- 6. Small body of fresh water
- 7. Place with many trees

Down

- 2. Large, deep body of salt water
- **3.** A special feature that helps an animal survive, like a giraffe's long neck
- 4. Eats plants and animals

Plants and Animals

Circle the word that tells where each animal lives.



Label each part of this diagram. Use the words in the box.

cloud	rain	Sun	water

Name _____ Date _____

Sudden Storm

Read the poem on page 152.

1	_	۰.
Б.	1	23
Ð	-	21
τ.		
•	1	

Write About It

Response to Literature

I. Why does the poet say that umbrellas are

like mushrooms?

2. Do you think "Sudden Storm" is a good title for the poem? Why or why not?

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Describe Weather

Use your book to help you fill in the blanks.

What is weather?

I.	Weather is what the air and are like each day.	dd
2.	The air might be warm or _	·
3.	The sky might be	or cloudy.
4.	The or dry.	might be rainy, snowy,
5.	Weather	from day to day.

	Outline Name	Date
6.		is how warm or cold the air is.
7.	The	can change, too.
8.	Some days the sky is _ of clouds.	
9.		
10.	Wind is	air.
Su	mmarize the Main I	dea
II.	What is weather?	
	Weather is	

Macmillan/McGraw-Hill

Describe Weather

Unscramble each word. Write it on the line. Use the words in the box.

temperature	weather	wind
	niwd	
I. Moving air is called		·
	ethrwae	_
2. You can tell the		_ by what
the air and sky are		
3. If you know how ho terretupm		, you know
the	·	
Circle the best answer.		
4. How can you tell if	it is hot enough to	swim?
You can check the	clouds.	
You can check the	temperature.	

Describe Weather

Fill in the blanks. Use the words in the box.

air sky	sunny temperature	weather wind
Is it rainy, su	unny, or cool? The	
	anging. Some days the	
	moves fast. The	e air
	is cold. Rain fa	lls from the
	Other days, th	ne
	feels warm. Th	e sky is clear
and	F	ike this, we wish
the weather	r would never change.	

The Warmth of the Sun

Use your book to help you fill in the blanks.

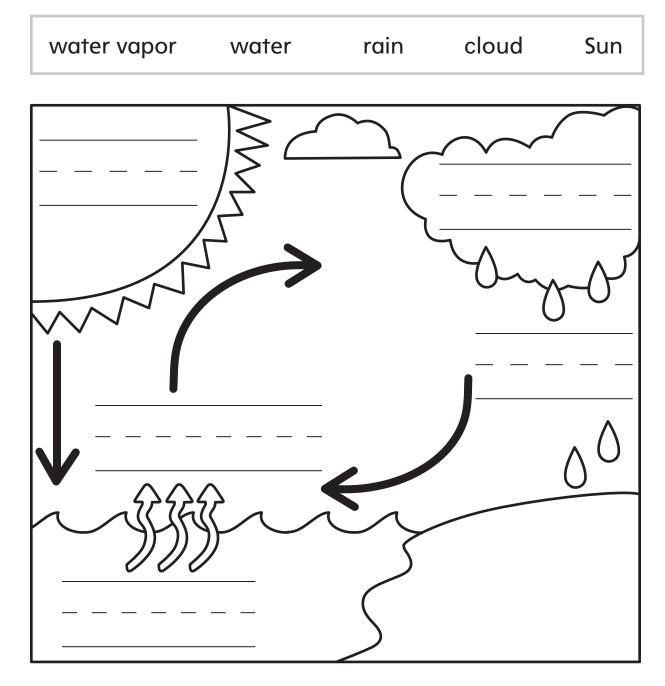
What does the Sun do? _ _ _ _ _ _ _ _ _ _ I. The Sun is a ______. _ _ _ _ _ _ _ _ _ _ 2. The ______ of the Sun warms the land, air, and water. _ _ _ _ _ _ _ _ _ _ 3. It helps to make wind, _____, clouds, and even snow. What does the Sun do to water? **4.** As the Sun warms water, some water turns into _ _ _ _ _ _ _ _ _ _ . 5. Water vapor is water that goes up into the _ _ _ _ _ _ _ _ _

	Outline Name	Date
6.		drops of water or bits of ice.
7.		are made of water and bits
8.	When the water	r drops or bits of ice get big, they
	fall to	as rain or snow.
Su	mmarize the M	ain Idea
9.	What is one way	the Sun's energy helps Earth?
	The Sun's energy 	y

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The Warmth of the Sun

Look at the diagram. Label the parts. Use the words in the box.



The Warmth of the Sun

Fill in the blanks. Use the words from the box.

clouds	Sun	water	water vapor
The Sun hel	ps make rair	n and snow. W	/hen energy
from the $_$		hits v	water, the water
warms up. S	some of the	water turns in	to
		and goes up i	nto the air. When
it cools, it t	urns back in	to	
drops. These	e drops form		
When the w	vater drops o	or bits of ice g	et big, they fall
back to Ear	th as rain or	snow.	

Date

Writing

Writing in Science



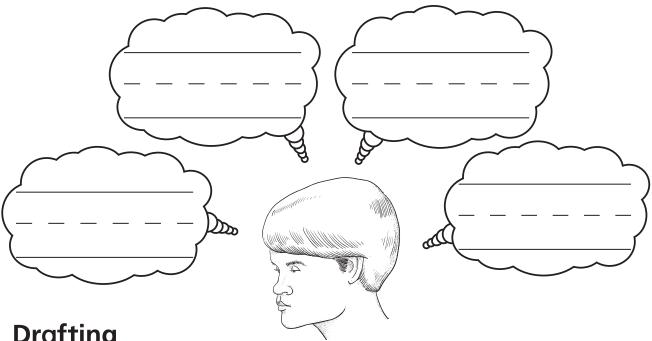
Write About It

Write a story about this boy. Make sure to write about the weather in your story.



Getting Ready

Look at the picture. Write words that tell how the boy feels in the chart below.



Drafting

The main idea is the most important idea. Write the main idea of your story.

_ _ _ _ _ _ _

Now write your story. Begin with the sentence you just wrote. Tell why the boy has a problem. At the end, tell how the boy solves his problem.

Revising and Proofreading

Now look at your paragraph. Ask yourself:

- Did I begin in an interesting way?
- Did I describe the weather?

Outline

Measure Weather

Use your book to help you fill in the blanks.

How can you measure weather?

I.	You can use	to	
	measure weather.		
2.	A	_ measures the	
	temperature of air and v	vater.	
3.	A	_ _ measures how much	
	rain falls.	_	
			- f
4.	A wind vane shows the _ the wind.		OT

Name _____ Date _____

5. Scientists also use tools to measure

_ _ _ _ _ _ _ _ _ _

_____.

_____.

_ _ _ _ _ _ _ _ _

_____·

6. They use the information they collect to make

7. You can read weather reports in the

Summarize the Main Idea

8. How can you measure weather?

People use tools such as _____

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

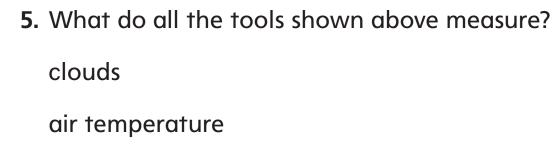
_ _ _ _ _ _ _ _ _ _ _

Measure Weather

Draw lines. Match the pictures and words.

I. wind vane	C . C . F C . F C . F C . C
2. thermometer	b.
3. weather report	
4. rain gauge	d.

Circle the best answer.



weather

Measure Weather

Fill in the blanks. Use the words from the box.

thermometer	rain gauge	wind
Scientists use specie	al tools to measure wea	ther. They
use a use a wind gauge to	to measure ro to measure ro o find out the direction	ainfall. They
of the	To measure	air and
water temperature,	they use a	
Scientists use all thi	s weather information 1	o make
weather reports.		

Weather Tool

Read the Reading in Science page 178 in your book. Look for information that can help you make a prediction as you read. Fill in the chart below. Write your prediction about the storm. Tell what clues helped you make your prediction.

What I Predict	Clues I Used

Reading



Write About It

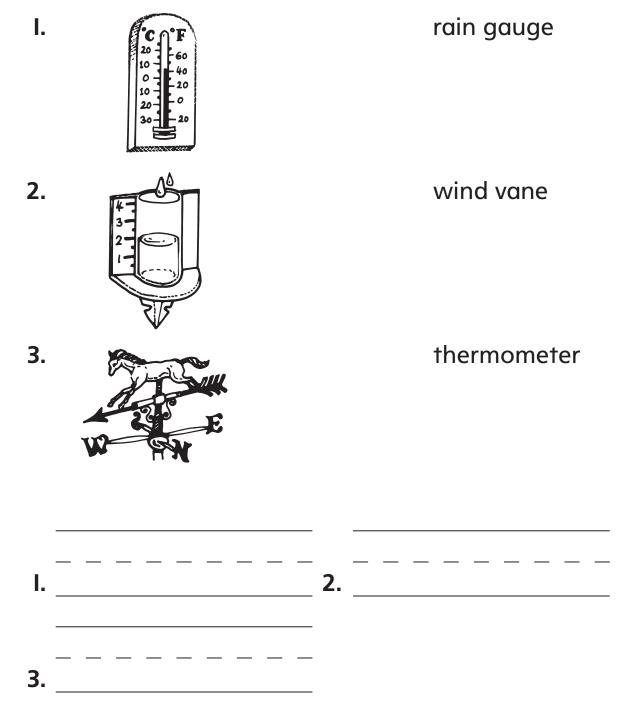
Where will the storm go next? Predict. Use the Prediction chart you made on page 8l.

I predict that by night the storm will go

I think this because _____

Weather

Draw a line from the picture to the word that tells about it. Write the words you matched.



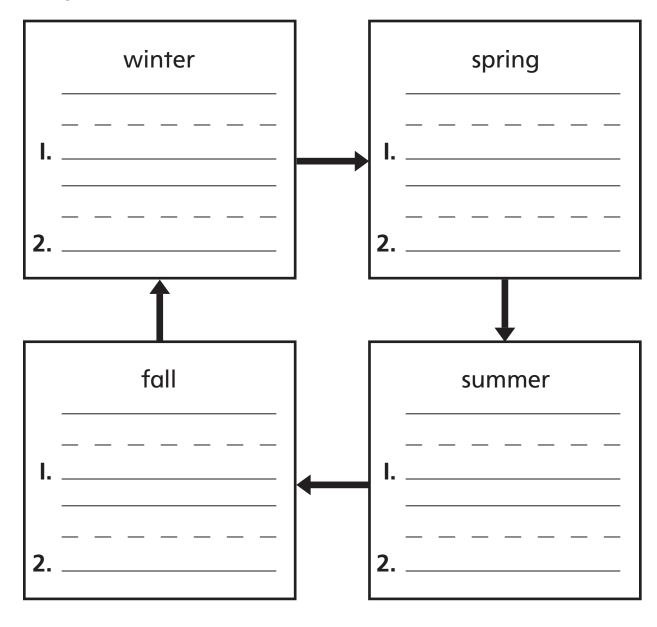
Weather Words

Circle the words in each box that tell about the word at the top of the box.

4. temperature	5. temperature
thermometer	in books
hot	in newspapers
wind vane	on TV
cold	on the Internet
rain gauge	in movies
6. weather tools	7. Sun
rain gauge	star
water vapor	energy
wind vane	cold
Sun's energy	heat
thermometer	ice

Seasons

The name of a season is on the top line in each box. Tell what you can predict about the temperature and rain or snowfall in each season.





Sunflakes

CHAPTER LEVEL

Literature

Read the poem on page 192.



I. What season is the poet writing about? Use the poem to tell how you know.

2. What are some things you do in July?

3. In what season do you think people go sleighing?

4. What do you think sunflakes look like? Draw a picture.

Name	_ Date	Outline
Winter		
Use your book to help you fi	ll in the blanks.	
How do you know when	it is winter?	
 I. Winter is the	Se	ason.
2. A	_ _ is a time of ye	ear.
3. In winter, there are	·	hours
of sunlight than in sprin	g or summer.	
4. With less energy to make food.	, plant	s have less

	Outline Name	Date	
Wł	What is winter weather like?		
5.	5. When winter is cold, there is not a lot of		
		for animals to eat.	
6.	In some places, it	in winter.	
7.	In most places in Califo	ornia, it does not get	
		enough to snow.	
8.	 It might	a lot instead.	
Su	mmarize the Main Id	ea	

9. What happens during winter? How does the weather change?



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Name

Date ____



Winter

Read the sentences about each boxed word. Write YES if the sentence is true. Write NO if the sentence is not true.

season	
	I. A season is a time of year.
	2. There are two seasons of the year.
winter	
	3. Winter is the coldest season.
	4. Many plants grow new leaves in winter.
	5. Some animals store food to eat in winter.
	6. It may snow or rain a lot in winter.

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Name _____ Date _____

Winter

Fill in the blanks. Use the words in the box.

snows	colder	food	sunlight
Winter we	eather affects p	plants, animals	, and people.
In winter the	e temperature	is	
People ofter	o cold that it wear coats ar	,	
-	die or lose their		
fewer hours		· P	nimals may
find it hard t	to find		_•

Nam	e	Date	Outline	
Sp	oring			
Use	Use your book to help you fill in the blanks.			
Но	How do you know when it is spring?			
I.		is the season a	fter winter.	
2.	In spring many _		are born.	
3.	In spring, there a	ire more hours of		
		than in winter.		
4.	The extra sunligh the land, air, and	nt helps to water.		

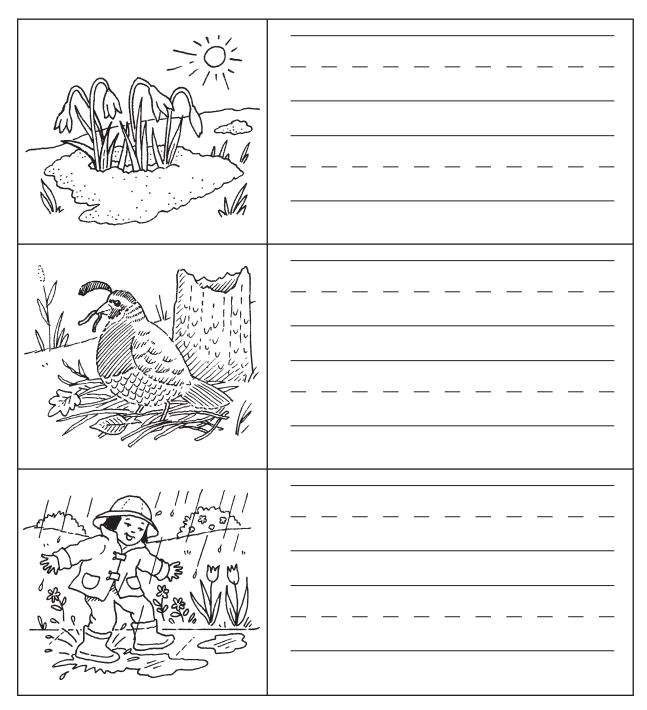
	Outline Name	_ Date
WI	hat happens in spring?	
5.	When spring comes, the gets warmer.	
6.	Rain and warmth from the Sun help	
	grow.	
7.	Some build ne build ne	ests for
~	· ()	

Summarize the Main Idea

8. What happens during spring? How does the weather change?

Spring

Write what each picture shows about spring in California.



Name _____ Date _____

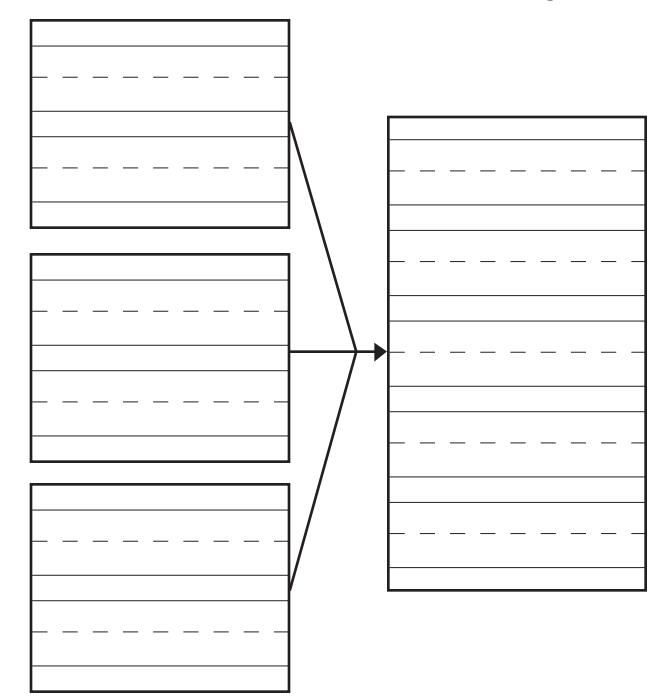
Spring

Fill in the blanks. Use the words from the box.

Sun	longer	daylight	weather
Many people	look for	ward to spring. In spr –	ing, the
		_ warms up. The days	s are
		_ The extra hours of	:
		_ help plants grow. R	ain and
warmth from	the	al	so help
•		good time for peopl	e to
plant garden	S.		

Museum Mail Call

Read the Reading in Science beginning on page 208. Fill in the diagram below. Write the important ideas in the small boxes. Then retell these ideas in the big box.



Reading

____ Date ____



Write About It

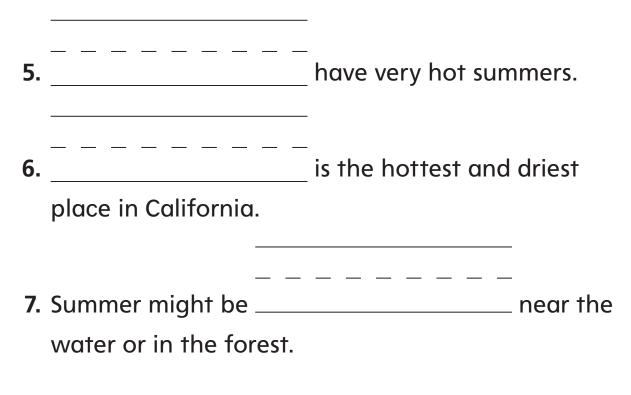
Summarize What happens in spring to help the Hunza farmers' seeds grow? Finish this summary. Use the Summarize chart you made on page 95.

In spring, the	
in the mountains of Pakistan. The	Hunza farmers
	to bring this
water to their land. This water	

Name	Date Outline
Summer	
Use your book to help	o you fill in the blanks.
How do you know	when it is summer?
	is the season after spring.
2. There are more h summer than in a	nours of in in
3. Some animals ha hot Sun.	ve to the
4. Other animals loo stay cool.	ok for to

Outline	Na

What is summer weather like?



Summarize the Main Idea

8. What happens during summer? What is summer like in California?

Summer

Read each sentence. Write YES if it tells about summer in California. Write NO if the sentence does not tell about summer in California.

	 The weather can be different in different places in California.
	 The summer is hot and dry in most places in California.
	3. Summer weather is often warmer in the deserts.
	4. Summer has more hours of sunlight than fall.
	5. The hottest place in California is near the water.
	6. Death Valley is the driest place in California.

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Name _____ Date _____

Summer

Fill in the blanks. Use the words from the box.

dry	temperature	sunlight	shade
What	makes summer diff	erent from the o	other
seasons	in California? Summ	ner has more ho	urs of
	tha	n fall. The hot Si	un makes
the animals	like the heat while	rise. Some plant others like the	s and
	In	many places, it	is very
 spots ne	 To ar the water.	cool off, many	people visit

Writing

Writing in Science



Write About It

Write about one of the pictures. Describe the weather and what you think it would feel like if you

were there.



Getting Ready

Pick one of the pictures. Imagine yourself there. What would you see, hear, smell, and feel? Write your ideas in the chart.

See	Hear	Smell	Feel

Drafting

Write your paragraph. Start with a main idea. Describe the weather and how it makes you feel. Indent the first line.

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Now look at your paragraph. Ask yourself:

- Did I begin with a main idea?
- Did I describe the weather and how it makes me feel?
- Did I correct all mistakes?

Fall

Use your book to help you fill in the blanks.

How do you know when it is fall?

I.	is the season after summer.
2.	Some change color in fall.
3.	In fall, there are hours hours hours
4.	Some places in California stay
	all year.
5.	In these places the leaves do not
	color.

Outline Name	Date
What happens in fall?	
6. In many places it fall than in summer.	more in
7. In fall, many food for winter.	begin storing
8. Some fruits get	in the fall.
9. People can eat them.	the fruits and
Summarize the Main Idea	

IO. How does the weather change in Fall?

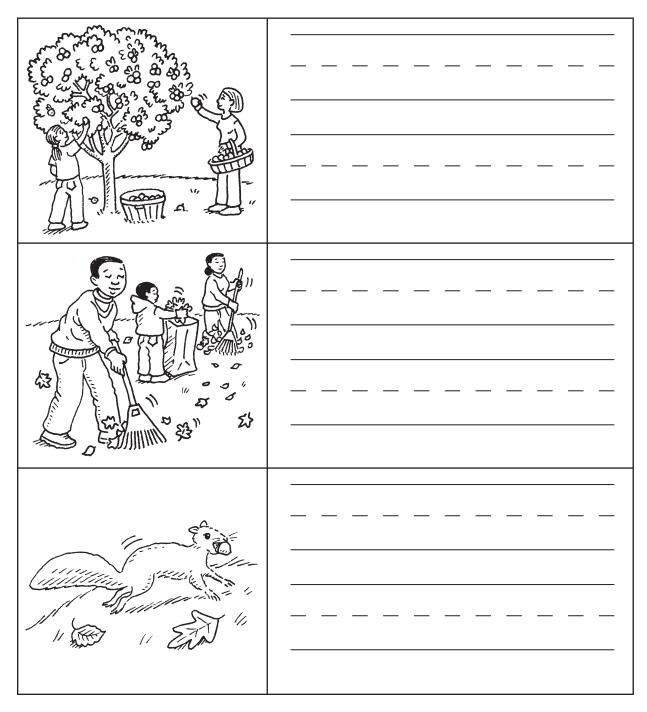
-

_

_

Fall

Write what each picture shows about fall in California.



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Name _____ Date _____

Fall

Fill in the blanks. Use the words from the box.

rains	fewer	fruit	leaves	cooler
Fall is c	ı season of r	many char —	nges. The air r	nay get
		In fall	, there are	
		hours c	of sunlight. So	me
		on tree	s gets ripe. So	ome
		change	color in the	fall. In
many pla	ces, it		more	e in fall
than in su	ummer. Som	e animals	leave for war	rmer places
before w	inter comes			

Seasons

Circle the five vocabulary words hiding in the puzzle. Look across and down. The word spring is hidden two times. Can you find it?

season		winte	er	fall	S	umme	er	spring
	t	r	е	S	р	W	V]
	W	У	f	i	r	i	n	
	S	е	а	S	0	n	m	
	р	h	Ι	u	S	t	Ι	
	r	n	Ι	m	d	е	k	
	i	f	Ι	m	b	r	i	
	n	g	u	е	С	t	S	
	g	S	р	r	i	n	g	

Answer the question below:

I. What do these words have in common?

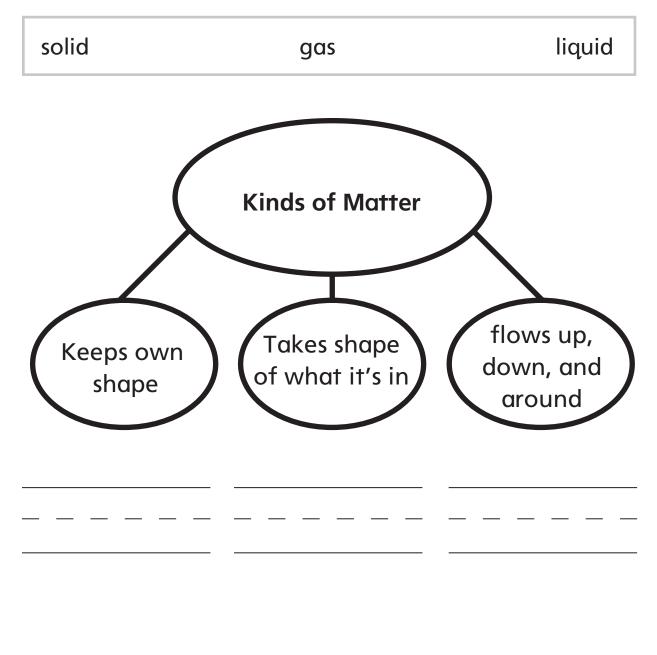
Which Word?

Circle the words in each box that tell about the word at the top of the box.

2. fall	3. spring	
follows summer	very dry	
most sunlight	new plants	
often snows	follows winter	
leaves change colors	falling leaves	
cooler weather	warmer weather	
4. summer	5. winter	
4. summer follows fall	5. winter less sunlight	
follows fall	less sunlight	
follows fall most sunlight	less sunlight very dry	

Solids, Liquids, and Gases

Name each kind of matter. Then tell about its properties. Use the words in the box.



Our World

CHAPTER LEVEL

Literature

Read the poem on page 242.



Write About It **Response to Literature**

I. What are two things the poet tells about in our

world? How does he tell about them.

2. Describe two more things in our world.

3. Why do you think the poet says that air is clear?

4. Draw a picture that shows what the poet is writing about. Use drawing paper.

Ш

Describing Matter

Describing Matter

Use your book to help you fill in the blanks.

What are the properties of matter?

I. Properties are how something looks, feels,

	_, or tastes.
2. Color, size, and shape	are also
	_
3. Every kind of	has its own
4. Matter is what made of.	things are
How can you measure	matter?
5. All matter takes up	
Chapter 6 • Solids, Liquids, and Gases	Use with Lesson 1

Reading and Writing in Science

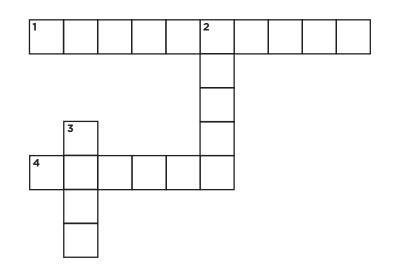
	Outline Name	_ Date
6.		t the size or
7.	You can use a how long something is.	to measure
8.	Mass is how much an object.	
9.	You can measure mass with a 	
Su	mmarize the Main Idea	
10.	How can you tell about matter?	
		·

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Describing Matter

Use the meaning clues to help you solve these crisscross puzzles. Use the words from the box.

ruler	mass	matter	properties



Across

- I. how something looks,
 - feels, smells, or tastes
- the stuff all things are made of

Down

- 2. used to measure length
- **3.** the amount of matter in something

Describing Matter

Fill in the blanks. Use the words from the box.

mass	matter	shape	properties		
Look around you. Everything you see is made up of					
	E	Every kind of n	natter has its		
own		This inclu	des the		
•	olor, size, and of matter, such	n as an object'	Some s length and		
	co	n be measure	d. A lighter		

object has less mass than a heavier one.

Solids

Use your book to help you fill in the blanks.

What is a solid?

I. A solid is a state of matter that has a

_ _ _ _ _ _ _ _ _ _ of its own.

2. The amount of matter in a solid always stays the

What are the properties of solids?

_ _ _ _ _ _ _ _ _

.

3. Solids have many different ______.

4. They can be large or ______.

5. They come in many different

_ _ _ _ _ _ _ _ _

and colors.

_ _ _ _ _ _ _ _ _

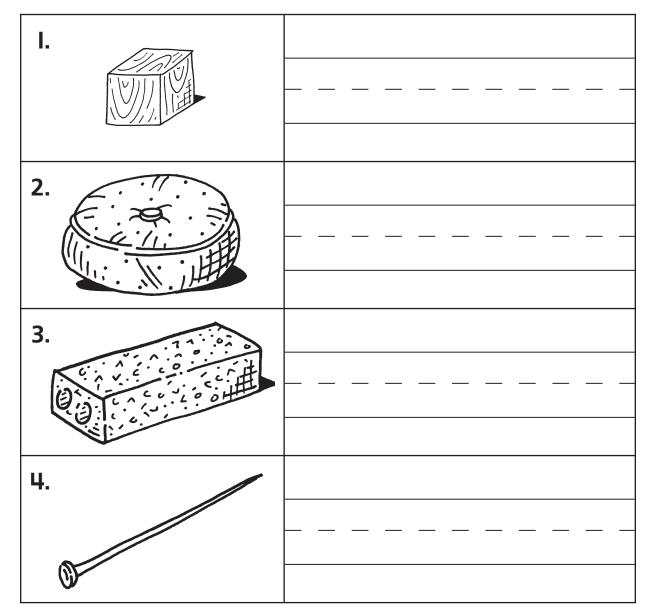
_ _ _ _ _ _ _ _ _

	Outline Name	Date
6.	You can fold and bend some	
7.	Others are	
8.	How an object feels is its	
9.	A marble has a	texture.
10.	Sandpaper is	
Su	mmarize the Main Idea	
II.	What are some properties of solids?	

Solids

Describe the size, shape, or texture of each solid. Use the words in the box.

round	large	soft	small
rough	long	square	sharp



Name _____ Date _____

Solids

Fill in the blanks. Use the words from the box.

space	textures	solid	shape
One kind of	matter is made	up of solids. Y	our pencil
is a	 	It has mass a	nd takes
up	 	It will keep its	;
 come in diff 	even even sizes, shap	when it is mo es, colors, and	

Writing in Science

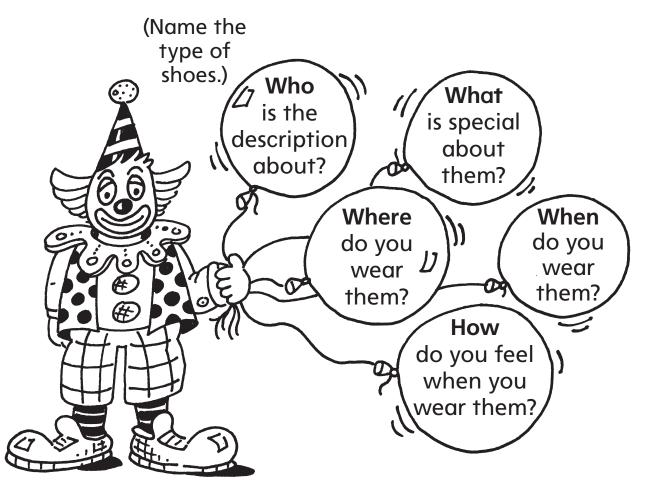


Write About It

Look at your shoes. What are the properties of your shoes? Draw and write about your shoes. What do your shoes tell about you?

Getting Ready

Look closely at your shoes. Answer Who? What? When? Where? and How? questions about them.



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_____ Date _____

Drafting

The main idea is the most important idea. Write a main idea for your paragraph. Then write your paragraph.

Revising and Proofreading

Read the sentences below. Cross out each misspelled word. Write the correct word above it.

You can tell from my sneekers that I like to run.

There are air wholes that let my feet breath. Now look at your paragraph. Ask yourself:

- Did I describe my shoes?
- Did I tell what my shoes show about me?

_____ Date _____

Liquids

Use your book to help you fill in the blanks.

What is a liquid?	
I. A liquid is a state of	· ·
2. It has mass and takes up like solids.	
3. Unlike a solid, a liquid	
4. A liquid takes the it is in.	of what
What are properties of different liqui	ids?



different properties.

Outline Name	Date
6. Some liquids	slowly.
7. Liquids can also be different	
8. Some liquids	different, too.
Summarize the Main Idea	
9. What are some properties of lic	quids?



Liquids

Read each sentence about liquids. Write YES if the sentence is true. Write NO if the sentence is not true.

 I. A liquid is one kind of matter.
 A liquid always takes up more space than a solid.
 3. A liquid has mass.
 A liquid always takes the shape of its container.
 5. Only hot liquids will flow.
 6. Some liquids are thicker than other liquids.
 Liquids come in many different colors.
 8. Liquids have different tastes.

Name _____ Date _____

Liquids

Fill in the blanks. Use the words from the box.

thicker	properties	liquids	containers
Honey an	d milk are alike	in some very	important
ways. Both (Both flow, and
they always	take the shape	of their	
	 Ho	oney and milk	c have different
	, to	o. Honey flov	vs more slowly
because it is sweeter tha		 Ho	oney tastes

1 Juli 10

Date _____

Gases

Use your book to help you fill in the blanks.

What is a gas?	
I. Gas is a kind of	
2. Gas takes up like other matter, but it does not have its own shape.	
3. Instead, it takes on the what it is in.	of
4. You cannot see gas, but you can	
it.	
5. Gas can give things a	

	Outline Name		Date
WI	here are gases?		_
6.	Gas spreads out spread no more.		_ _until it can
7.	Gas can flow up all around.		, and
			erent
	mmarize the M What are some	ain Idea properties of gases?	

Gases

Tell what each picture shows about gases.

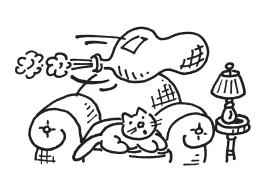


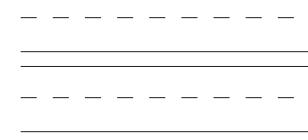




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4.





Name _____ Date _____

Gases

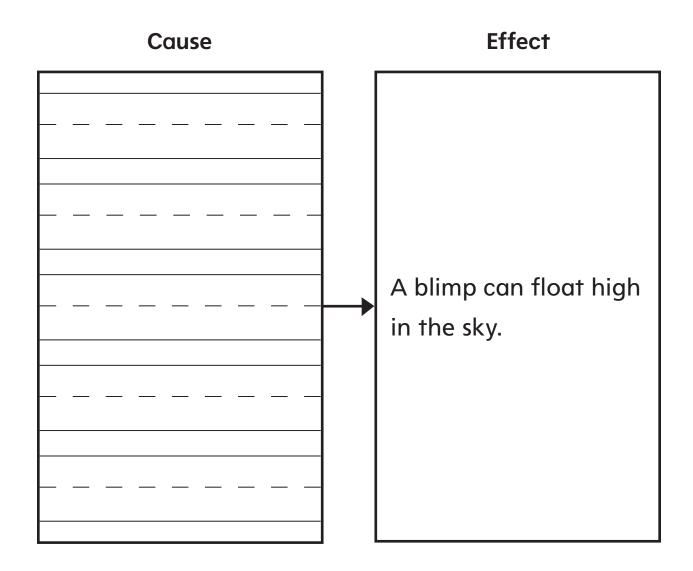
Fill in the blanks. Use the words from the box.

bubbles	flow	shape	gas
Gases make	e up the third	kind of matter. A	Although a
	car	nnot be seen, you	ı can feel it
when it move	s. Like a liquid	d, a gas takes the	2
	of i	ts container.	
When you op	en the contai	ner, the gas will	
	 out	of it. It may flov	v up, like
the air		in a glass of s	soda water.
It can also flo	w down or al	l around like air i	rushing out
of a balloon.			

Name _____ Date _____

Blimps

Read the Reading in Science pages in your book. Start with page 274. Look for a cause and its effect as you read. Remember, a cause is why an event happens. An effect is the event that happens. Fill in the diagram below. Tell what causes a blimp to float in the sky.



Reading

_____ Date _____



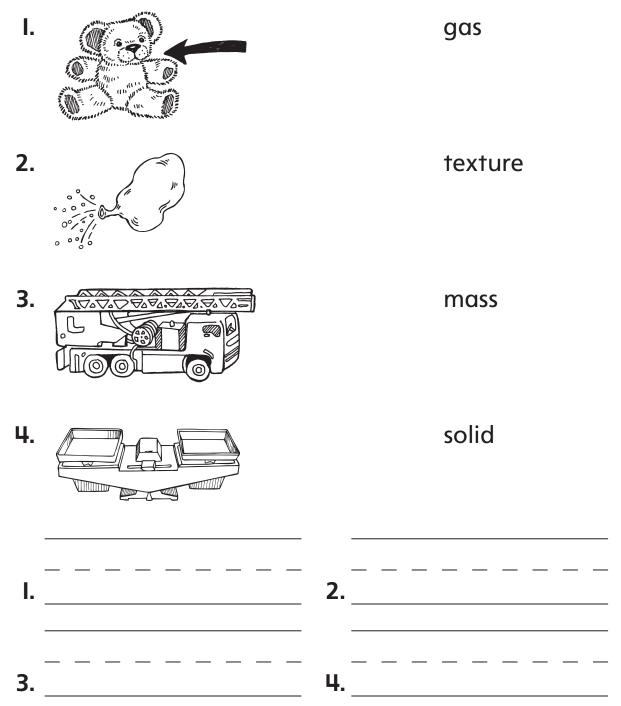
Write About It

Cause and Effect How does the gas helium help a blimp stay up? Finish this explanation. Use the information in the Cause and Effect chart you made on page 129.

Blimps are filled with	·
Helium is	Because
of this gas, the blimp	

Matter

Draw a line from the picture to the word that tells about the picture. Then write the words you matched.



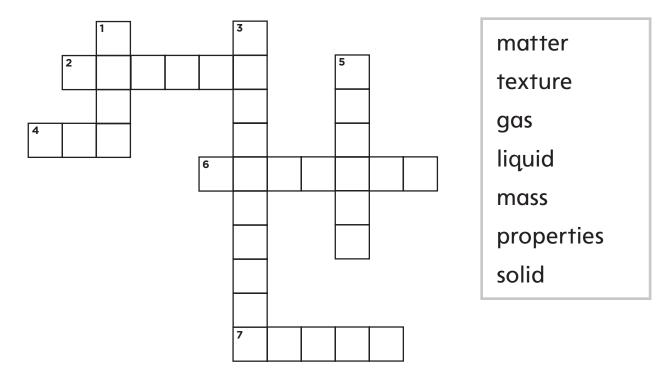
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Matter

Solve the crossword puzzle. Use the words in the box.



Across

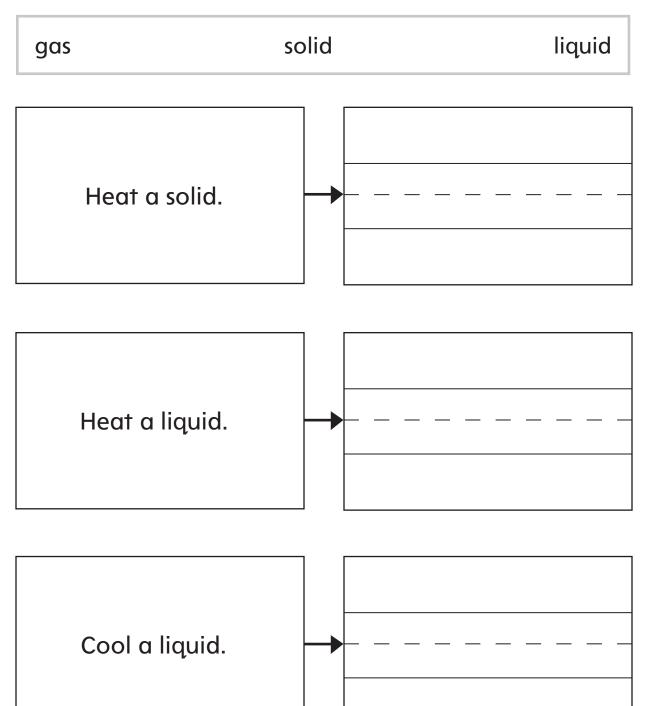
- 2. Stuff all things are made of
- **4.** Air is this kind of matter
- 6. Way something feels
- 7. A block is this kind of matter.

Down

- I. Amount of matter in something
- 3. How something looks, feels, smells, or tastes
- 5. Water is this kind of matter

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Tell how matter can change. Use the words in the box.



Popcorn Hop

CHAPTER LEVEL

Literature

Read the poem on page 288.



Write About It

Response to Literature

I. What happens when popcorn gets hot? How does

it change? Use the poem to tell how you know.

2. What is another way heat can change things?

3. Do you think "Popcorn Hop" is a good title for the poem? Why or why not?

_ _ _ _ _ _ _ _ _ _ _ _

_ _ _ _ _ _ _

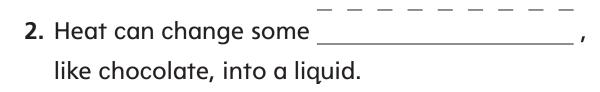
Heating Matter

Use your book to help you fill in the blanks.

How does heat change a solid?

_ _ _ _ _ _ _ _ _

I. Melting means to change from a solid to a



3. All solids need heat to make them

. _ _ _ _ _ _ _ _ _

4. Some solids, like metals, will melt only when they

_ _ _ _ _ _ _ _ _ are heated to a very _____ temperature.

Out	ine	N

How can heat change a liquid?

- _ _ _ _ _ _ _ _ _ _ 5. Heat can change a liquid to a ______.
- 6. When water is heated, some water

						1	I	
				, or	goes	INTO	the	air.
	 	 	 	 -	J			

- 7. It takes a lot of heat for some liquids to
- 8. Boiling means to change from a liquid to a

_ _ _ _ _

_ _ _ _ _ _ _ _

Summarize the Main Idea

9. How does heat change a solid?

_ _ _ _ _ _ _ _ _

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Heating Matter

Tell what each picture shows about heating matter. Use the words in the box.

melting	boiling	solid	liquid	gas
I.		Heat co	uses	
2.		Heat cc 	uses	
3.	C S S S S S S S S S S S S S S S S S S S	Heat cc 	uses	·

Heating Matter

boiling solids	melting	liquids
Fill in the blanks. Use tl	he words from the box	ζ.
Have you ever tried to You have to eat fast o		hot day?
	Heat will also char 	nge
	like butter or choco	late to
liquids. Heat can chan	nge	to
gases. The bubbles in		_ water tel
you a gas is being form	med. If all the water e	evaporates,
the pot will be dry.		

Cooling Matter

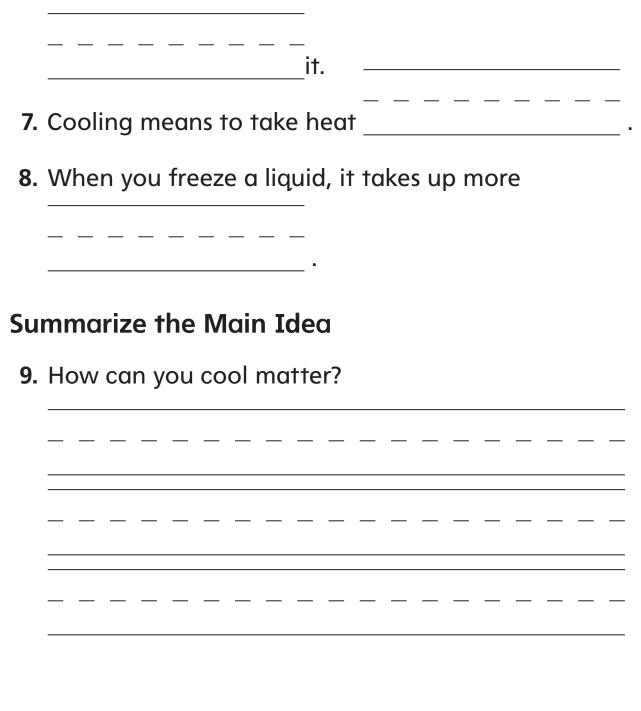
Use your book to help you fill in the blanks.

How does a liquid change to a solid?

I.	Someone pours an ice cube tray.	water into
2.	The tray is put in the	
3.	The liquid changed to a	
4.	The tray did not	
Hc	w can you cool matter?	
5.	When you	a liquid, it turns

Out	ine

6. To make something freeze, you have to



Cooling Matter

Each picture shows what is happening to matter. Draw lines to match each picture with a sentence that tells about it.



A freezer cools matter by taking the heat away.



When the liquid juice freezes, it turns into a solid.

Juice is a liquid when it is poured into the tray.



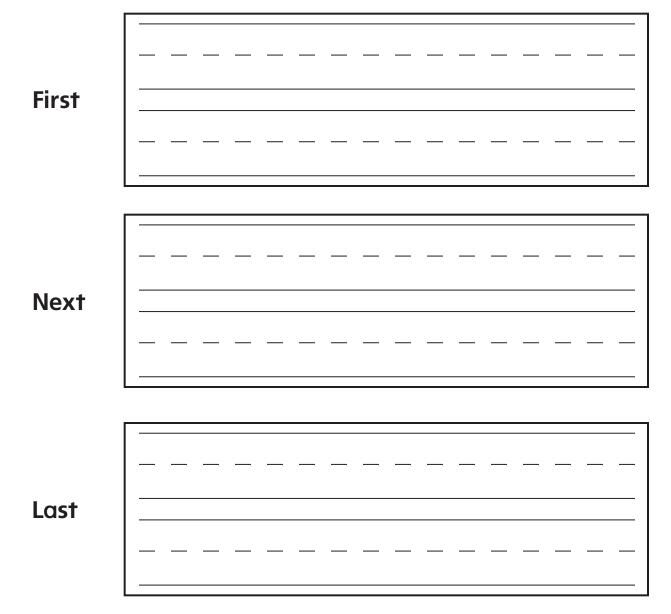
Cooling Matter

Fill in the blanks. Use the words from the box.

freezes	cooling	space	liquid
Whenever yo	ou make ice cube	s, you are char	nging
the form of r	natter. Water is a		
when you pu	It it in the ice cub	pe tray. When y	ou put
this liquid in	the freezer, you	are	
it. When hea	t is taken away, [.]	the water	
	into se	olid ice. This fro	ozen liquid
takes up mor	re	than	iquid water
It also feels o	lot colder!		

Meet Rondi Davis

Read the Reading in Science pages in your book. Start with page 314. Look for the order in which things happen as you read. Remember, the order tells what happens first, next, and last. Fill in the diagram below. Tell what happens first, next, and last when diamonds are formed.



Reading

_____ Date _____



Write About It

Put Things in Order. How do diamonds form? Put things in order to finish this explanation. Use the chart you made that tells the order in which things happen on page 143.

Diamonds are made of carbon. First,

		 	. Next,	 	
.ast,	 	 		 	

Mixing Matter

Use your book to help you fill in the blanks.

What is a mixture?

I. When you put salt into water, you make a

2.	A mixture is two or more	things put
3.	Sometimes when you mix	things together, it is easy
	to pick them	again.
4.	You can see the different the mixture.	of
5.	The things did not	

Outline	Ν
Outline	

What mixtures cannot be changed?

6. Sometimes when you mix things, it is not easy to

	get the objects	•
7.	Heat can something else.	a mixture into
8.	Some solids mix into a liquid.	or completely
Su	mmarize the Main Idea	
9.	What is a mixture?	

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Vocabulary

Mixing Matter

Look at each mixture. Circle YES if you can separate the parts. Circle NO if some things in the mixture dissolve, and you cannot separate the parts.







Mixing Matter

Fill in the blanks. Use words from the box.

dissolves	cool	mixture	liquids
Lemonade is	fun to make	It is a	
	of	lemon juice, sug	ar, and
water. Begin together in a		e n add sugar and s	stir until
it		. Put in some ice	cubes to
	th	e mixture. Then p	our

Writing

Writing in Science



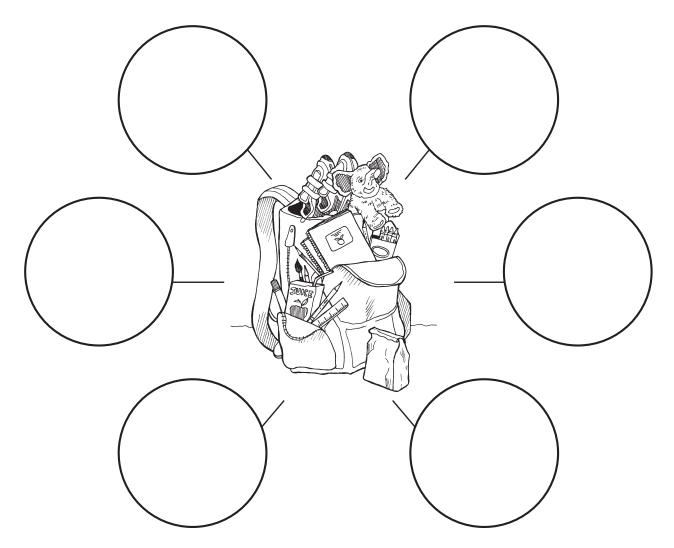
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Write About It

Write a story about the picture. Tell where the bag has been.

Getting Ready

Write all the things you see in the backpack in the circles.





Drafting

Write a sentence to begin your story about where the backpack has been. Then write your story.

Revising and Proofreading

Fix the punctuation mistakes in the paragraph below.

After school, my mother took me to the park! After playing for a while, I took out my water bottle? Did I remember to bring it. Boy, was I thirsty.

Now look at your paragraph. Ask yourself.

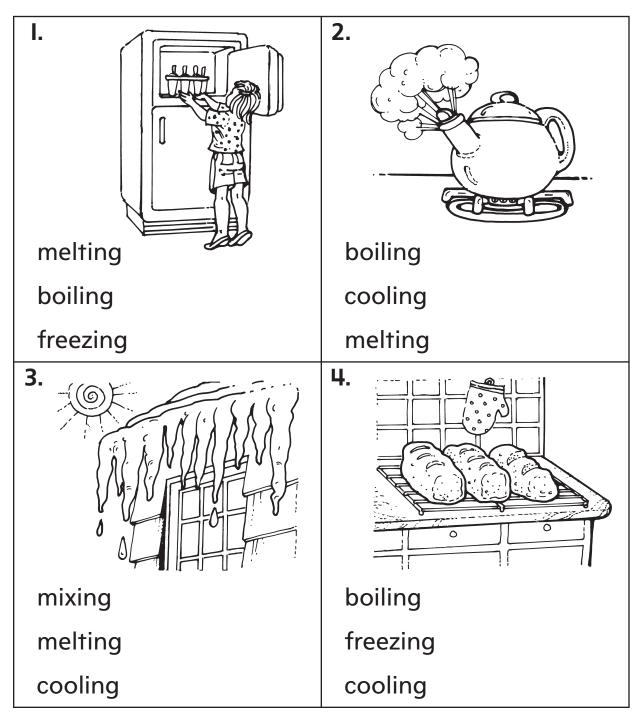
- Did I tell where the backpack has been?
- Did I describe the things in the backpack?

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CHAPTER LEVEL Vocabulary

Changing Matter

Circle the word that tells how matter is being changed.



Chapter 7 • Changing Solids, Liquids, and Gases **Reading and Writing in Science**

Changing Matter

Write the word on each blank that goes with each meaning. Use the words in the box.

m	nelting	boiling	cooling
I.	To change from a lie	quid to a gas	
2.	To take heat away		
3.	To change from a so	olid to a liquid	
	The circled letters to	ell what you get when	you

freeze water.