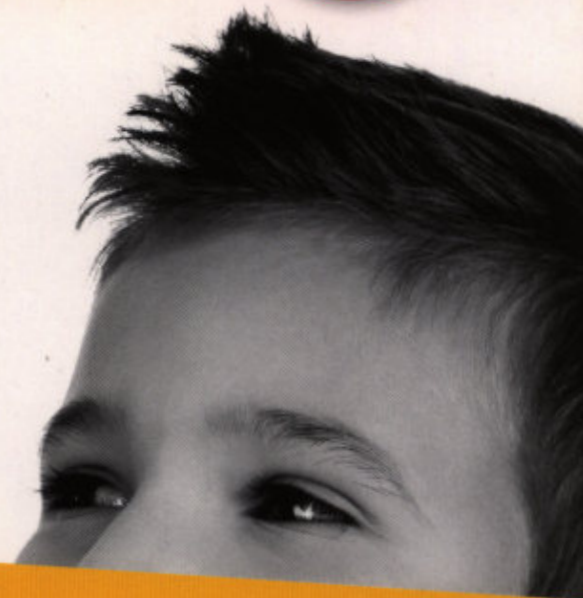


# BIG

# SCIENCE 1



**WORKBOOK**



# BIG

SCIENCE **1**

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# Contents

<b>Unit 1</b>	<b>The Nature of Science</b> .....	<b>4</b>
	 What is science?	
<b>Unit 2</b>	<b>Solve Problems</b> .....	<b>12</b>
	 How can you solve problems?	
<b>Unit 3</b>	<b>Living and Nonliving Things</b> .....	<b>20</b>
	 What can you say about living things?	
	<b>Review 1–3</b> .....	<b>28</b>
<b>Unit 4</b>	<b>Plants and Animals</b> .....	<b>30</b>
	 How do living things change as they grow?	
<b>Unit 5</b>	<b>Body and Senses</b> .....	<b>38</b>
	 What am I like?	
<b>Unit 6</b>	<b>Earth and Sky</b> .....	<b>46</b>
	 What are Earth and the sky like?	
	<b>Review 4–6</b> .....	<b>54</b>
<b>Unit 7</b>	<b>Objects</b> .....	<b>56</b>
	 What are objects like?	
<b>Unit 8</b>	<b>Matter and Mixtures</b> .....	<b>64</b>
	 What are matter and mixtures?	
<b>Unit 9</b>	<b>Motion</b> .....	<b>72</b>
	 What are position and motion?	
	<b>Review 7–9</b> .....	<b>80</b>
	<b>Skills</b> .....	<b>82</b>

# Unit 1

## The Nature of Science



What is science?

1 Look and trace.

2 + 3 = ?

5

question

answer

2 Read and circle.



1 question / answer



2 question / answer

3 Read the question. Mark (✓) or (X).

What's this?

a It's a pencil.

b It's a backpack.





## Lesson 1 • What questions do scientists ask?

### 1 Read, look, and match.

Scientists look at objects around them.

1



2



3



a



b



c



### 2 Read, count, and circle.

Scientists study the world around them.



How many scientists?

1 / 2 / 3 / 4 / 5

**3** Read, look, and match.

What color is it?

**1**



**2**



**3**



**4**



**Tip**

What **is it?** **It's** a bird.  
What color **is** the bird?  
**It's** yellow.

- a** It's red.
- b** It's blue.
- c** It's green.
- d** It's yellow.

**4** Read the numbers and the question. Write the answer.

**1**

one

**2**

two

**3**

three

**4**

four

**5**

five

**6**

six

**7**

seven

**8**

eight

**9**

nine

**10**

ten

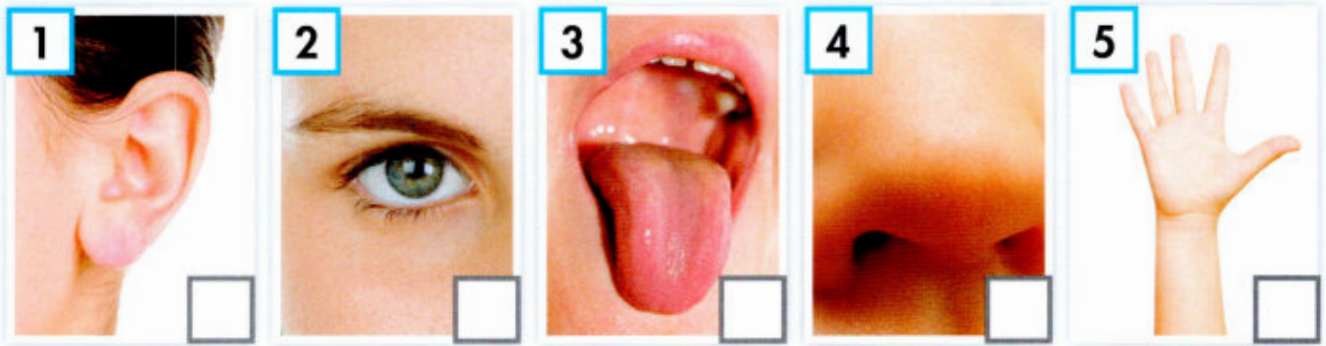
How old are you? I'm \_\_\_\_\_.



## Lesson 2 • How do scientists observe?

1 Which senses do scientists use? Read, look, and mark (✓) or (X).

Scientists observe with their senses.



2 Look, read, and circle.



What color is it?     blue / yellow / red / green

3 Look at a crayon. Think, draw, and color it.





**4** Look, trace, and read.

1



balance

2



hand lens

3



safety goggles

4



ruler

**5** Which tools help scientists to measure? Read and mark (✓) or (X).

ruler





safety goggles

balance

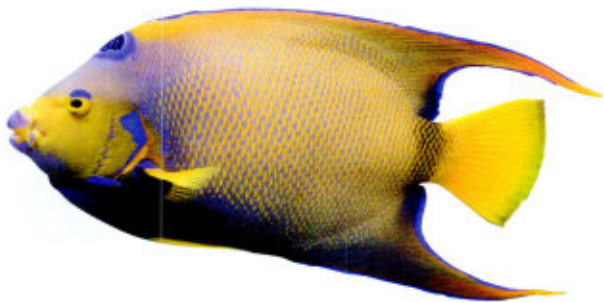
hand lens

**6** Read and look. Compare and circle.

Scientists compare.

 <b>1</b> alike / <u>different</u>	 <b>2</b> alike / different	 <b>3</b> alike / different	 <b>4</b> alike / different
---	--	---	--

**7** Think and draw a fish that is different.



**8** Read, think, and draw a group of fish that are the same.

Scientists group things.



## Lesson 3 · How do scientists collect and share data?


1 Look, read, and trace.




Scientists collect and record data.

2 Look, read, and trace.

1 science

2 

3 759

4 

a a number

b a picture

c a word

d a chart

A matching exercise where four items are connected to their descriptions. Item 1 (science) is connected to 'a word'. Item 2 (bar chart) is connected to 'a chart'. Item 3 (759) is connected to 'a number'. Item 4 (tulips) is connected to 'a picture'.

3 Look, read, and circle.





# 4,932

It's a **picture** / **number** / **word**.



**4 Read, count, and trace.**

This is a chart about favorite colors.

 red	✓	✓	✓	✓				
 yellow	✓	✓	✓	✓	✓	✓	✓	✓
 green	✓	✓						
 blue	✓	✓	✓	✓	✓	✓		

1 How many people like red?

four

2 How many people like yellow?

eight

3 How many people like green?

two

4 How many people like blue?

six

**5 Make a favorite colors chart. Collect data and record.**


# Unit 2

# Solve Problems



How can you solve problems?

1 Look and circle the problem.

1

a



b



2

a



b



3

a



b



2 What do you need? Look and match.

1



a



2



b



3



c





## Lesson 1 · What are problems and solutions?

1 Look and circle the solution.

1



a



b



2



a



b



3



a



b



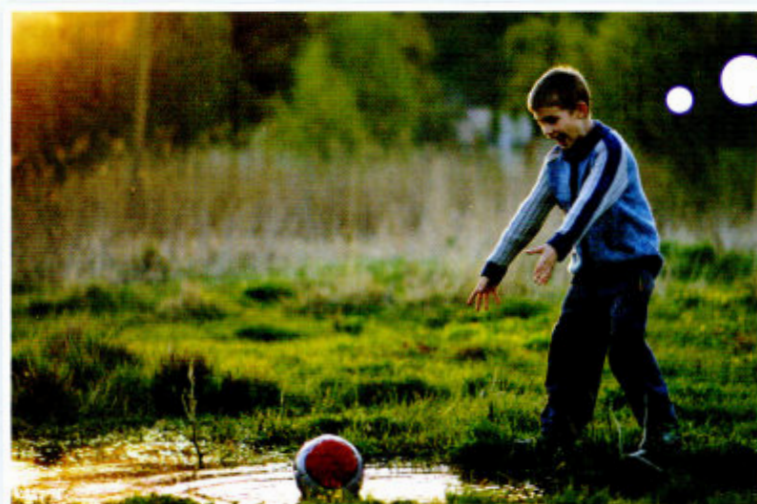
2 Look, think, and draw a solution. Read and trace.



It can solve the problem.

## Lesson 2 · How do ideas become solutions?

1 Look and trace.



problem



idea

2 Is it a good idea? Look and circle Yes or No.



1 Yes /  No



2 Yes / No



3 Yes / No



**3** Look and match.

1



2



3



a



b



c



**4** Which materials and tools do you need? Look and mark (✓) or (X).



1



2



3



4



5



6





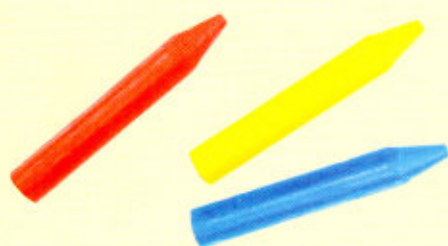
5 Read the questions. Count and write.

Materials

1 How many boxes?

2 How many crayons?

3 How many markers?



crayons



markers



box

6 Read and look. Color the correct toy box.

Instructions

Get box.  
Write TOYS.  
Draw stars. ☆

Tip

Think of a plan. Choose materials. Write instructions. Then other people can learn how to make your design.

1



2



**7** Think, design, and draw your toy box.



**8** Read, look, and match.

1 Stand up.

2 Sit down.

3 Write in your book.



**9** Read the instruction.

Write your name. \_\_\_\_\_

## Lesson 3 • How can you test and share solutions?

### 1 Read and trace.

You and your friends can test a solution.

Does it solve the problem? Test it.

### 2 Look and read. Write the number.



This does not solve the problem.  
There are too many toys. Change it.

1



2



Box \_\_\_\_ solves the problem.



**3** Read, look, and mark (✓) or (X).

**1** You can share your solution. You can show it.



**2** Your friends can use it.



**4** Read, look, and match.

You can...

**a** tell

**b** show

**c** draw



# Unit 3

# Living and Nonliving Things



What can you say about living things?

1 Look, read, and trace.



A group of plants.

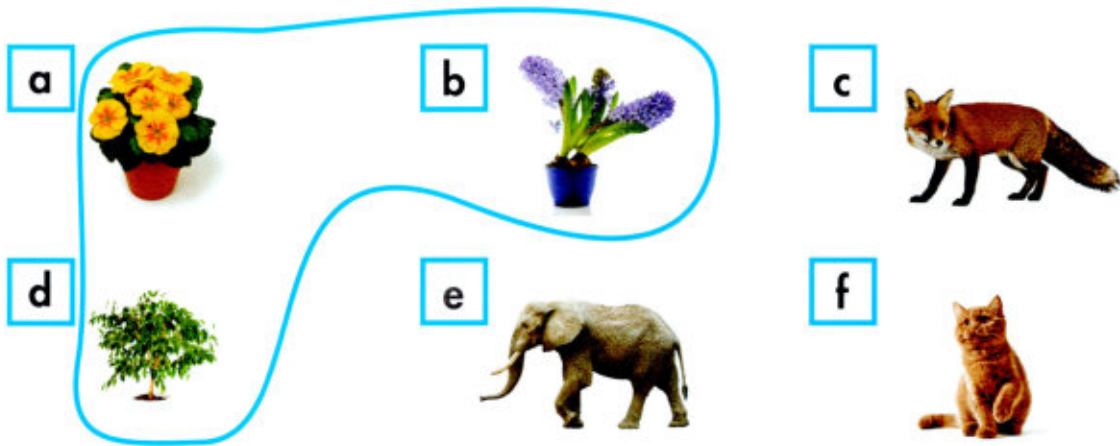


A group of animals.

2 Look and draw circles to group. Read and match.

animals

plants



3 Read and circle.

- 1 A plant **is** / **are** a living thing.
- 2 An animal **is** / **are** a living thing.
- 3 Plants and animals **is** / **are** living things.



**4** Look, trace, and match.

1



2



3



4



5



6



living  
nonliving

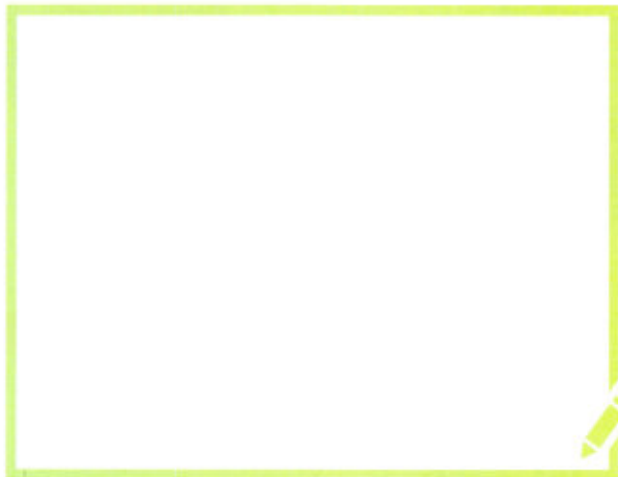
**5** Read and circle *T* (true) or *F* (false).

1 A ruler is a living thing. T / F

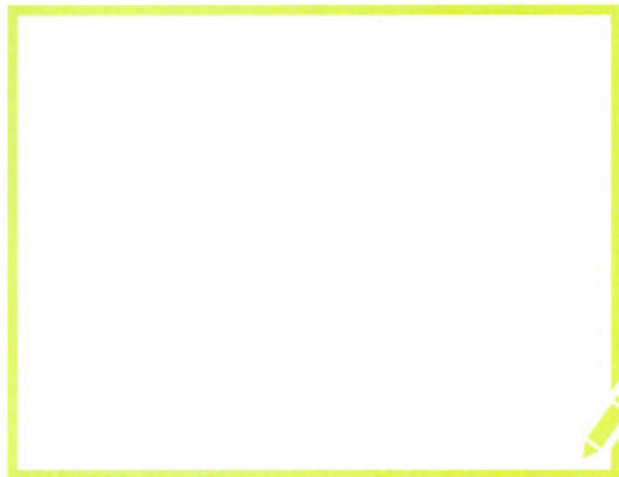
2 A ruler is a nonliving thing. T / F



**6** Read, think, and draw.



a living thing



a nonliving thing

# Lesson 1 • What are living and nonliving things?

## 1 Read and look. Draw arrows (→).

Living things grow. Living things change.

1



2



## 2 Read and look. Circle Yes or No.

Nonliving things don't grow. Nonliving things don't change.

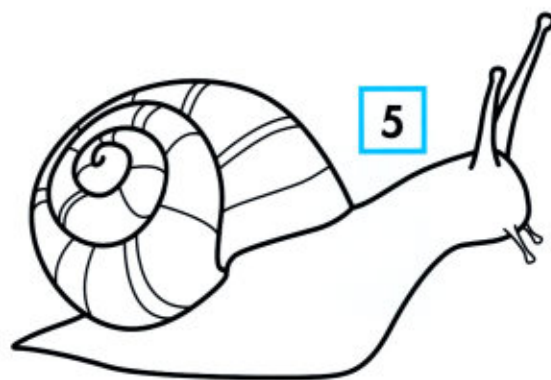
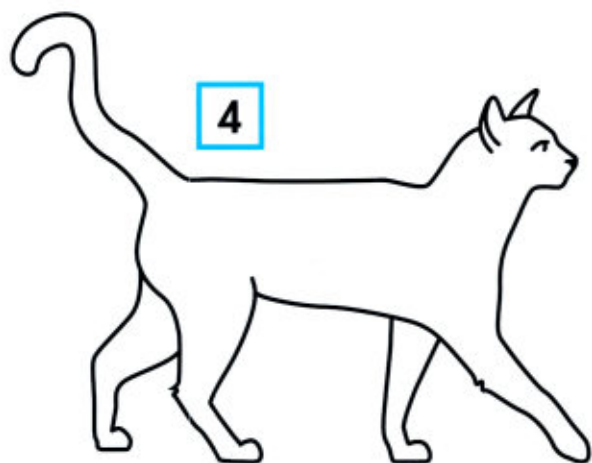
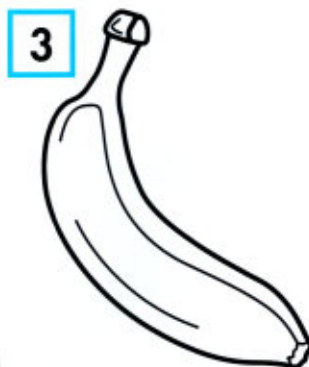
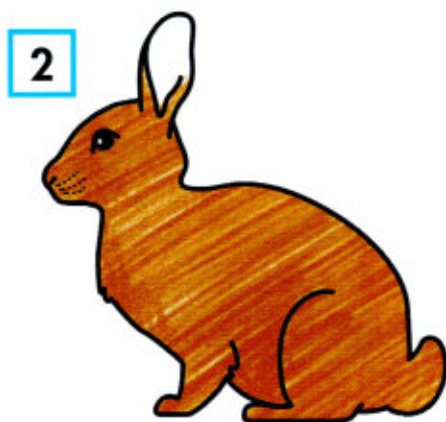


- 1 Do living things change?  Yes / No
- 2 Do living things grow?  Yes /  No
- 3 Do nonliving things grow?  Yes /  No
- 4 Do nonliving things change?  Yes /  No

**Tip**

**do not = don't**  
Nonliving things  
**do not** grow.  
Nonliving things  
**don't** grow.

3 Color the things that can move on their own.



4 Read, look, and mark what you can do (✓) or what you can't do (X).





**5** Read, look, and match.

Living things need...

**a** food

**b** air

**c** space

**d** water



**6** Look, read, and mark (✓) or (X).



**1** Animals move.



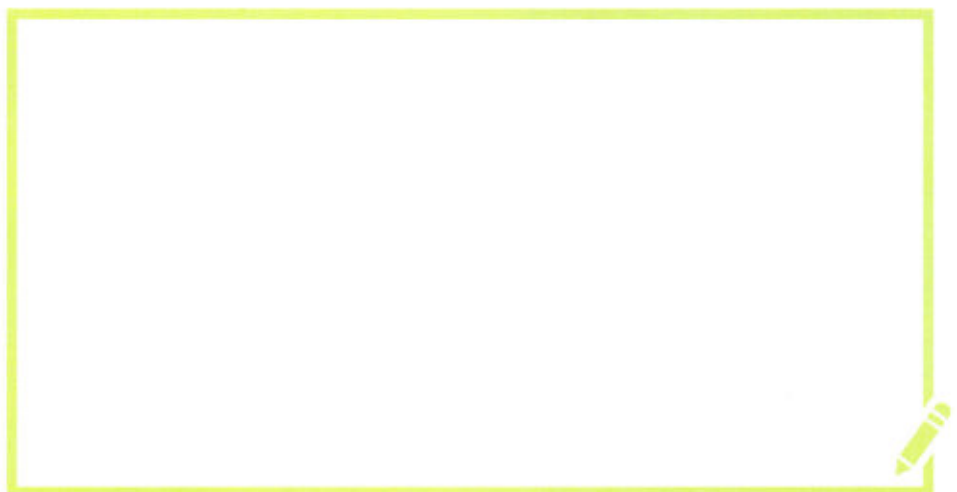
**2** Animals do not grow.



**3** Animals have babies.

**7** Read, think, and draw a picture of you.

I'm a living thing.



## Lesson 2 • How are animals alike and different?

1 Trace and look. Circle the animals with different body coverings.

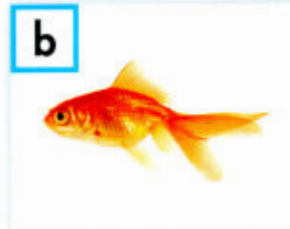
1 fur



2 feathers



3 fins



4 paws



2 Think and draw a bird. Color the wings and the beak.



## Lesson 3 · How are plants alike and different?

1 Look and read. Write the number.



Animals can have babies.

Plants can make seeds.

2 Read, look, and match.

a stem

b flower

c roots

d leaf

1

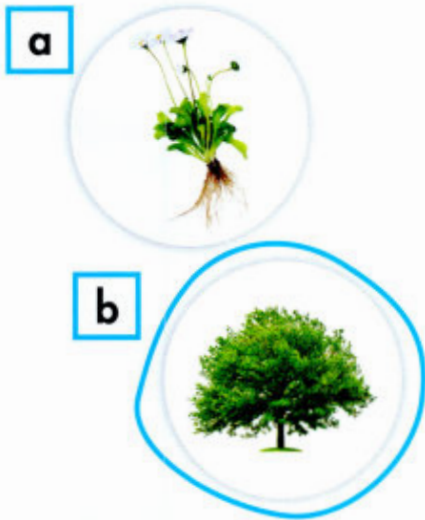
2

3

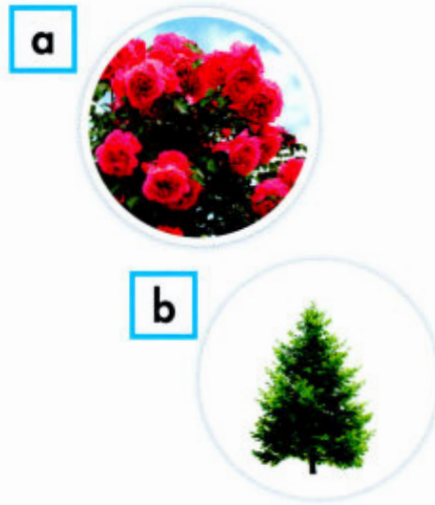
4

**3** Read, look, and circle.

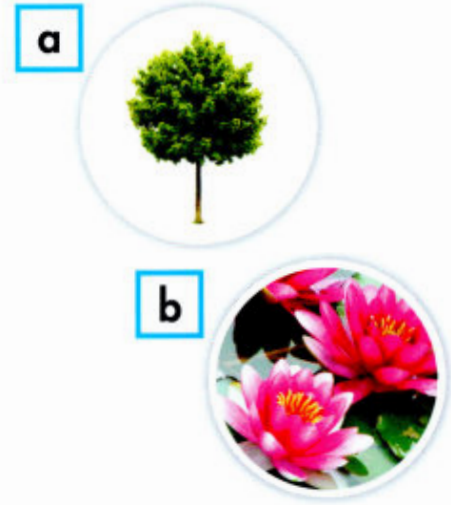
**1** It has a trunk.



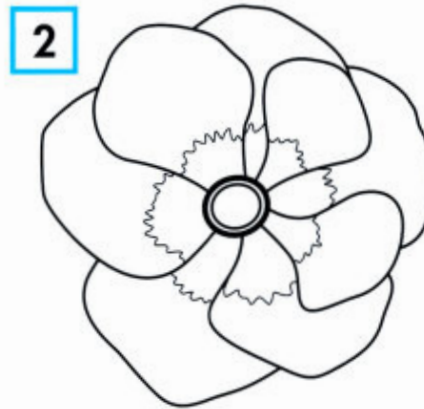
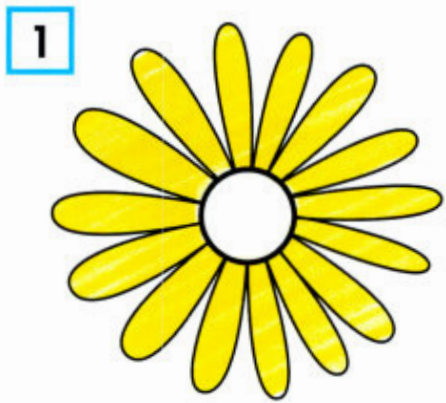
**2** It has flowers.



**3** It has petals.



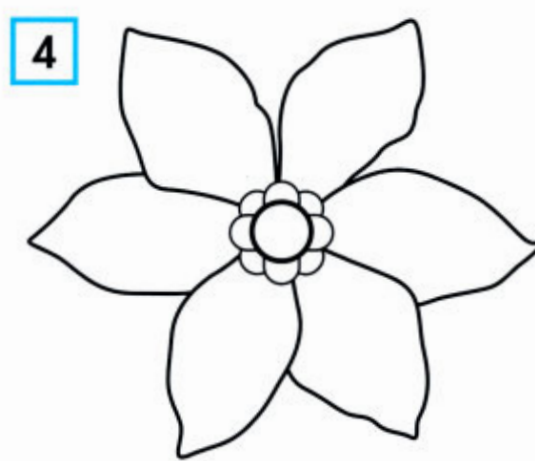
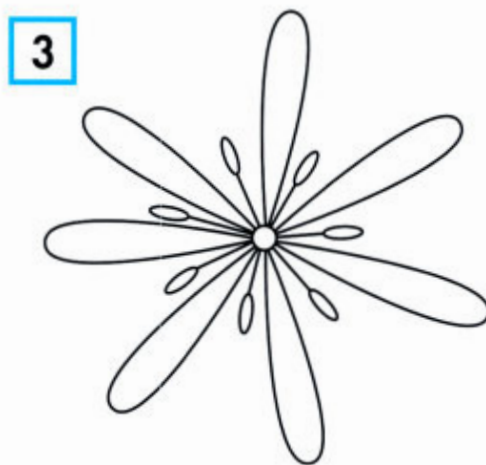
**4** Look at the petals. Read the key and color.



**Key**

 wide petals

 thin petals



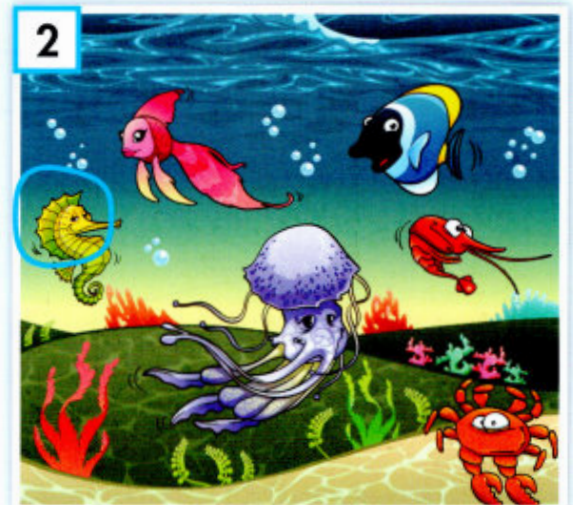
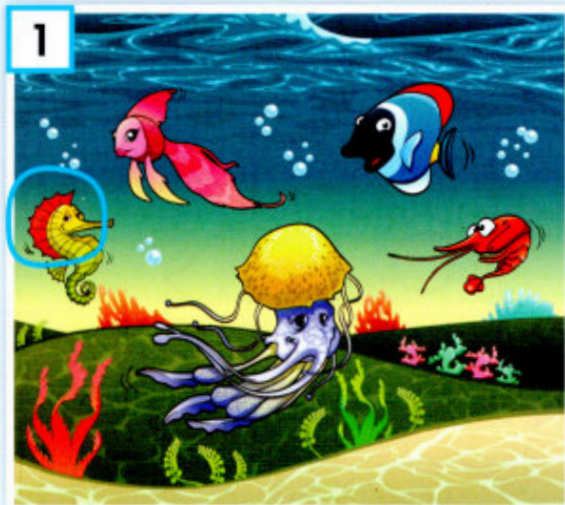
# Review 1-3

## 1 Look and trace.



## 2 Read, compare, and circle.

Five things are different.



**3** Look and circle the words.



**4** Read and look. Count and write.

1 How many living things?

2 How many nonliving things?



**5** Look, read, and match.



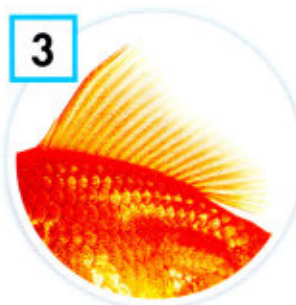
a paws

b feathers



c fin

d beak



# Unit 4

## Plants and Animals



How do living things change as they grow?

1 Read, look, and write.

parents  
baby

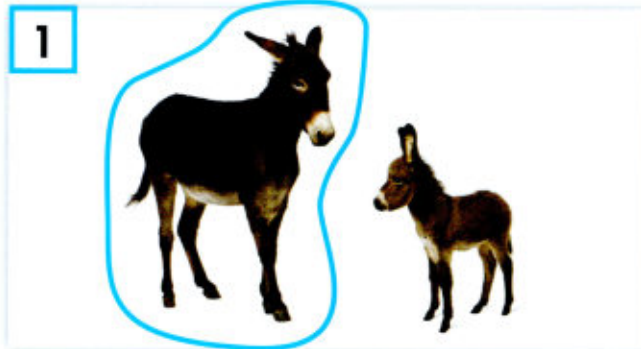


1 \_\_\_\_\_



2 \_\_\_\_\_

2 Look and circle the parent.



3 Read and circle *T* (true) or *F* (false).



1 My parents are my brothers. T / **F**

2 My parents are my brothers and sisters. T / F

3 My parents are my mom and dad. T / F



# Lesson 1 • Do all young animals look like their parents?

1 Look, read, and match.

1



tadpole

2



calf

3



chick

4



duckling

a



duck

b



chicken

c



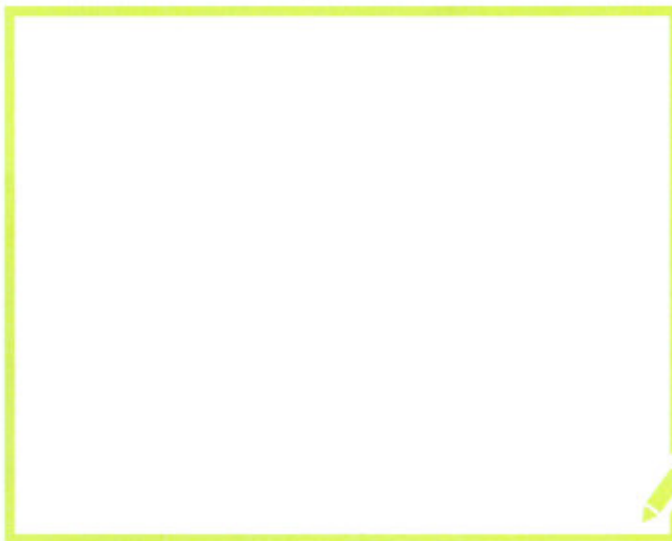
frog

d



cow

2 Think and draw your mom or dad. Write.





This is my \_\_\_\_\_.





**3** Read and look. Match and write the number.


Some baby animals **look like** their parents.


1 

2 

3 


a 


b 


c 


**4** Read, look, and match.


Some baby animals **do not look like** their parents.


1 

2 

3 

a 

b 

c 

*Note: A blue line connects box 1 to box b.*

**5** Read and circle.

- 1 Some animals **jump** / **hatch** from eggs.
- 2 Caterpillars **hatch** / **swim** from butterfly eggs.
- 3 **Fish** / **Cows** hatch from eggs.
- 4 Fish **jump** / **hatch** from eggs.



6 Look, read, and circle Yes or No.

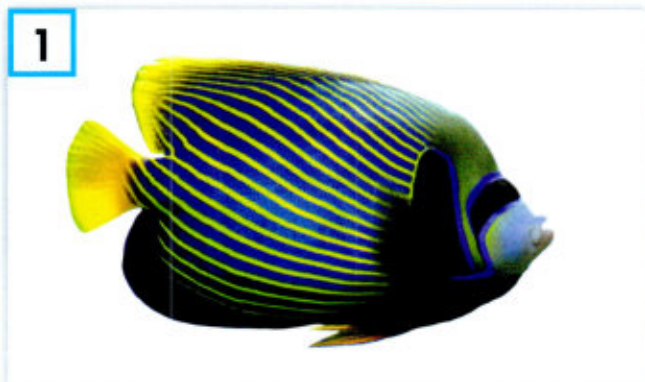
- 1 Are they rabbits? **Yes** / No
- 2 Are they the same color? **Yes** / No
- 3 Are they the same size? **Yes** / No



Tip

It's a fish. It's **big**. It's a **big** fish.  
It's a fish. It's **small**. It's a **small** fish.

7 Look and read. Trace and write the number.

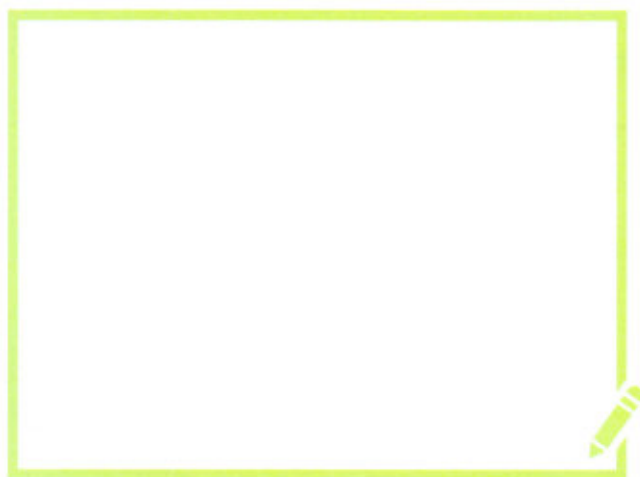


It's a big fish.

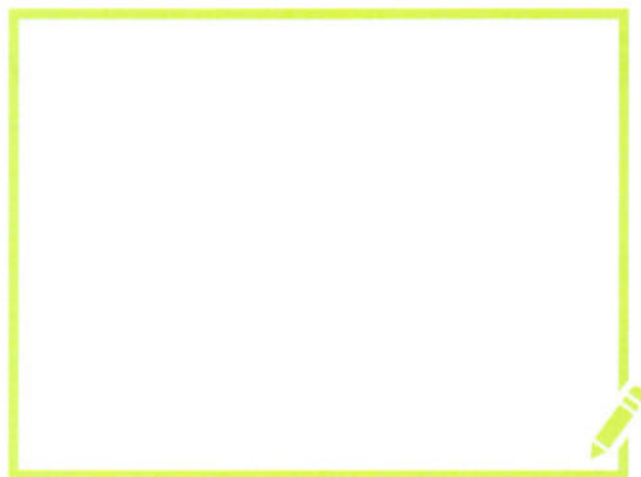


It's a small fish.

8 Think, read, and draw.



a big animal



a small animal

## Lesson 2 • How do some animals grow and change?

1 Look, read, and trace.



A young animal grows into an adult.

2 Look, read, and circle.



- 1 Animals **don't have** / **have** a life cycle.
- 2 Babies grow into **adults** / **sisters**.
- 3 Adults can have their own **frogs** / **babies**.

3 Find a photo of you as a baby. Stick.



**4** Read and look. Circle *T* (true) or *F* (false).

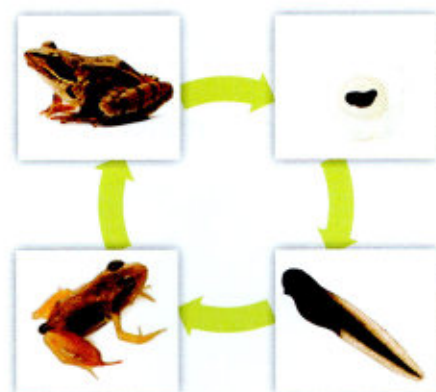
- 1 This is the life cycle of a dog.
- 2 Tadpoles are baby frogs.
- 3 A tadpole hatches from an egg.
- 4 An adult frog can lay eggs.

T / **F**

T / F

T / F

T / F



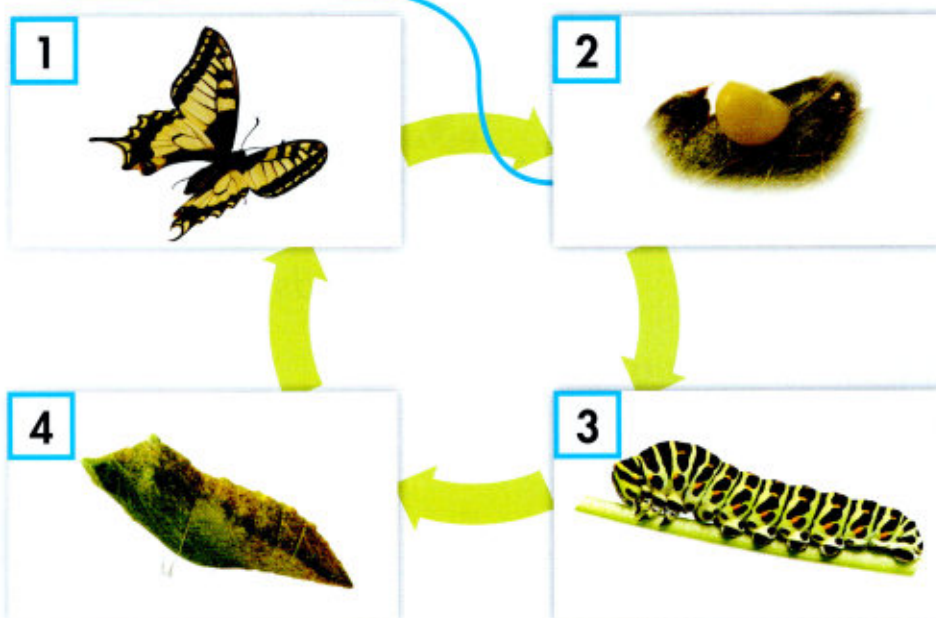
**5** Read, look, and match.

**a** egg

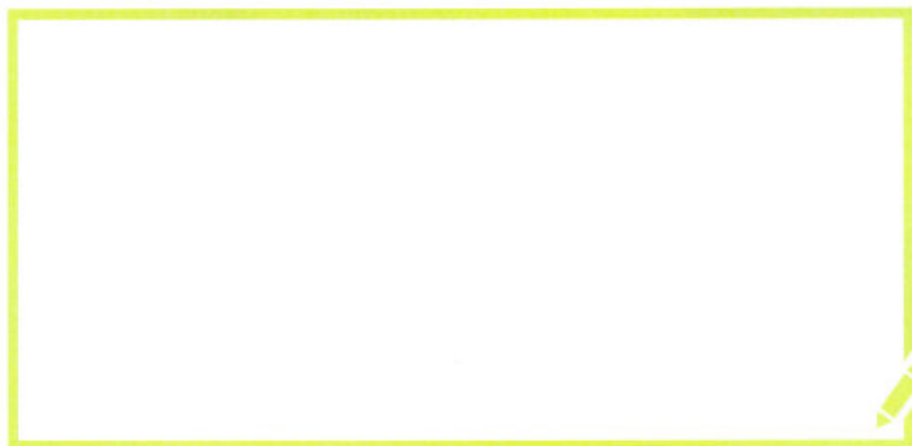
**b** chrysalis

**c** butterfly

**d** caterpillar

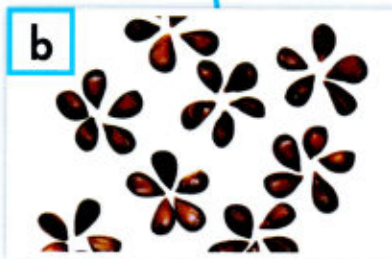


**6** Think and draw a caterpillar. Color it.



## Lesson 3 · How do some plants grow and change?

1 Look, match, and trace.



tomato seeds

apple seeds

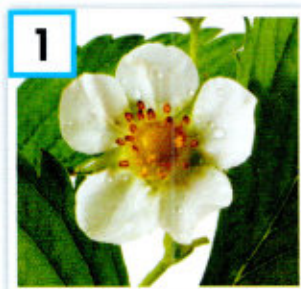
sunflower seeds

2 Look and read. Draw arrows (→).

Plants have a life cycle.



**3** Look and read. Write the number.



It's a seedling.

It's a flower.



It's a fruit with seeds.

It's an adult plant.



**4** Read and circle *T* (true) or *F* (false).

1 An orange tree starts as a seed.

T / F

2 A seedling is an adult tree.

T / F

3 An orange tree has fruit.

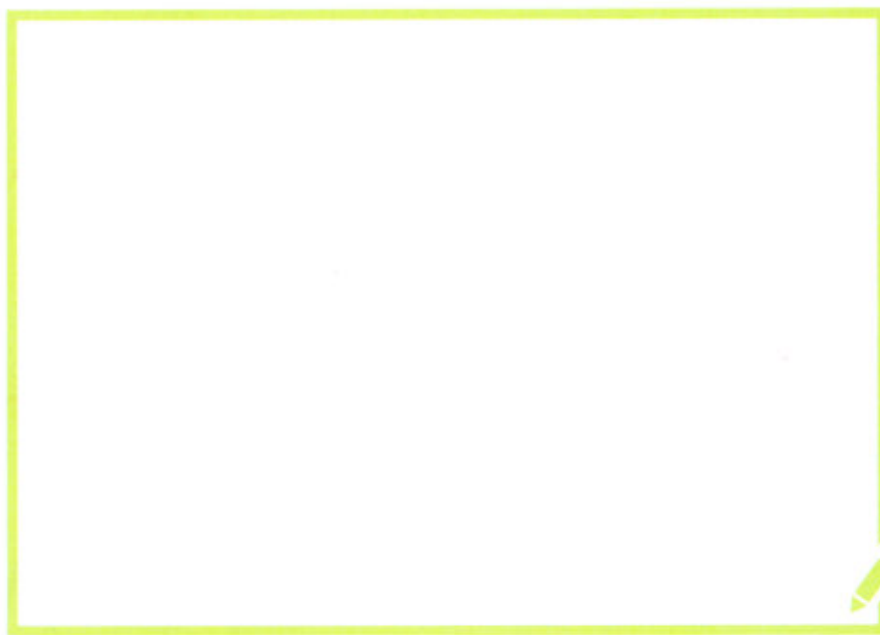
T / F

4 This orange doesn't have seeds.

T / F



**5** Think of a tree. Read and choose. Draw and write.



It's a \_\_\_\_\_ tree.

# Unit 5

## Body and Senses



What am I like?

1 Read, write, and match.

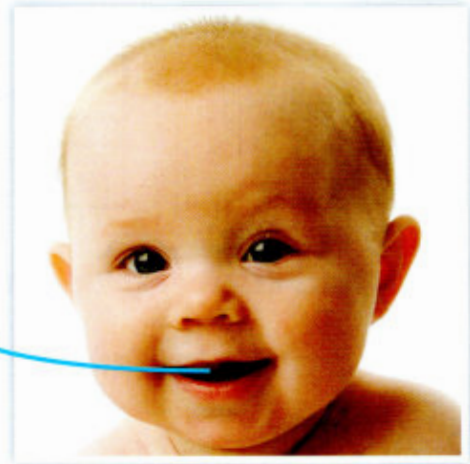
one ~~one~~ two two

1 I have one tongue.

2 I have \_\_\_\_\_ nose.

3 I have \_\_\_\_\_ eyes.

4 I have \_\_\_\_\_ ears.



2 Read, look, and circle.

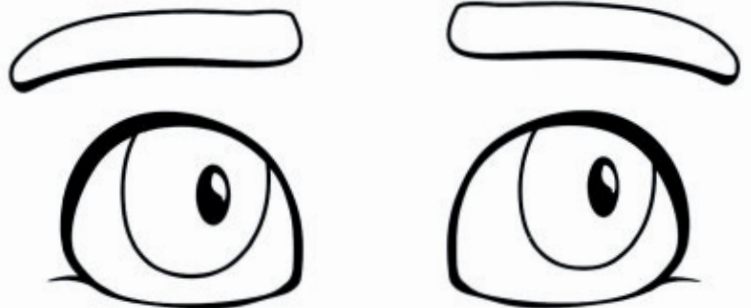
How many hands?

seven / eight / nine



3 Read and color.

What color are your eyes?



## Lesson 1 • What are my senses?

### 1 Read, look, and write.

taste    smell    ~~see~~    touch    hear

1 I see with my eyes.



2 I \_\_\_\_\_ with my ears.



3 I \_\_\_\_\_ with my hands.



4 I \_\_\_\_\_ with my nose.



5 I \_\_\_\_\_ with my tongue.



### 2 Read, look, and mark (✓) or (X).

I use my eyes to see these things.

I can see...

1 colors



2 flavors

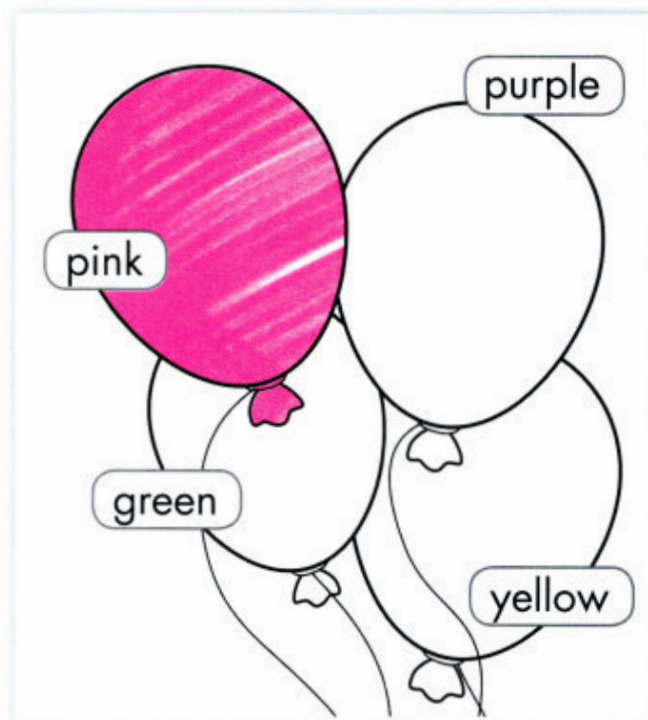
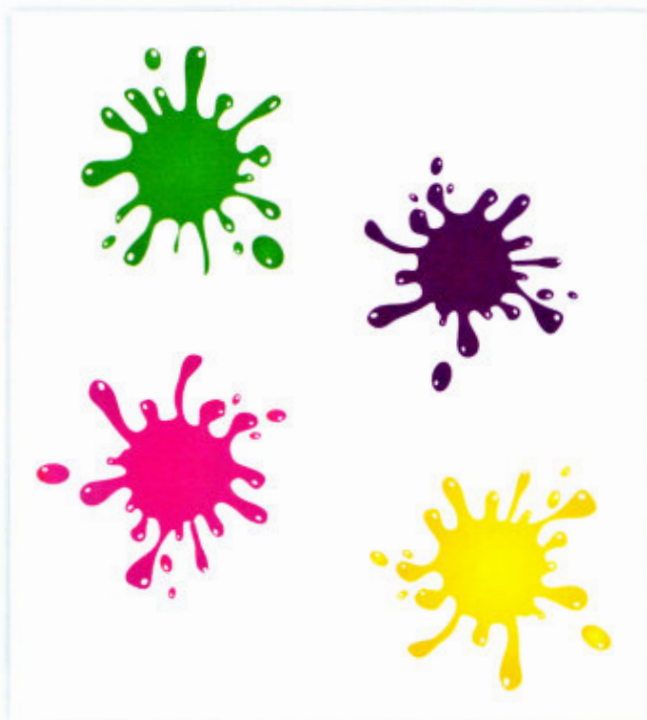


3 shapes

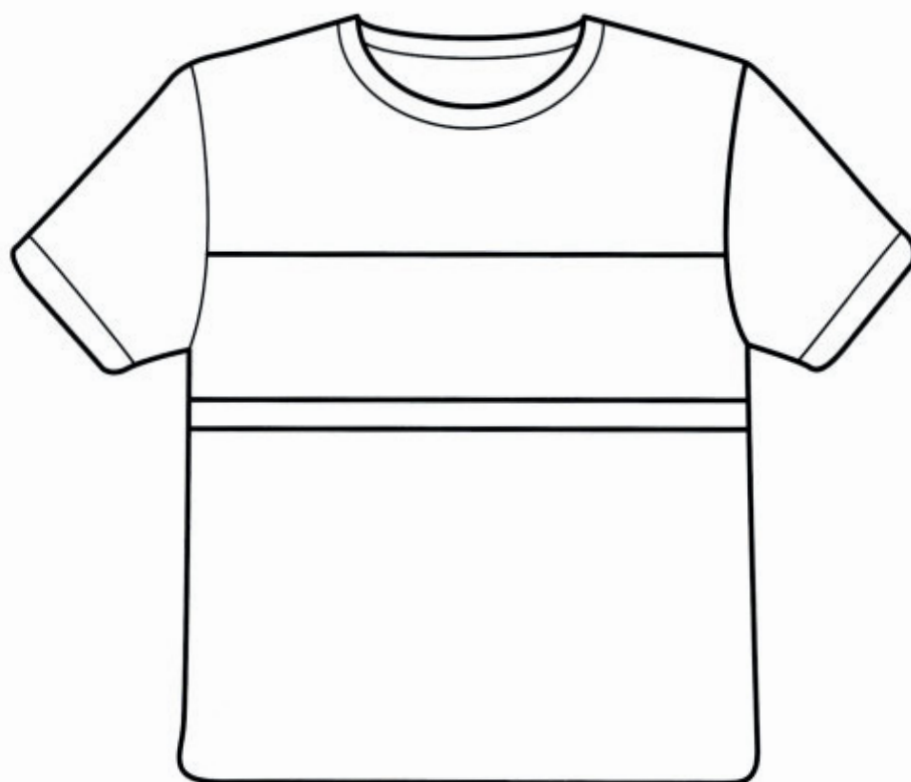




**3** Look, read, and color the balloons.



**4** Color the T-shirt. Use your favorite colors.



**5** Read and circle *T* (true) or *F* (false).

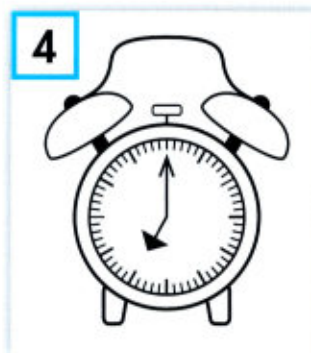
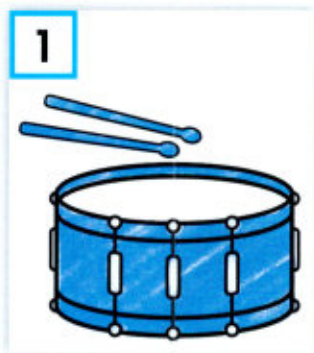


**1** I can hear a song.      **T / F**

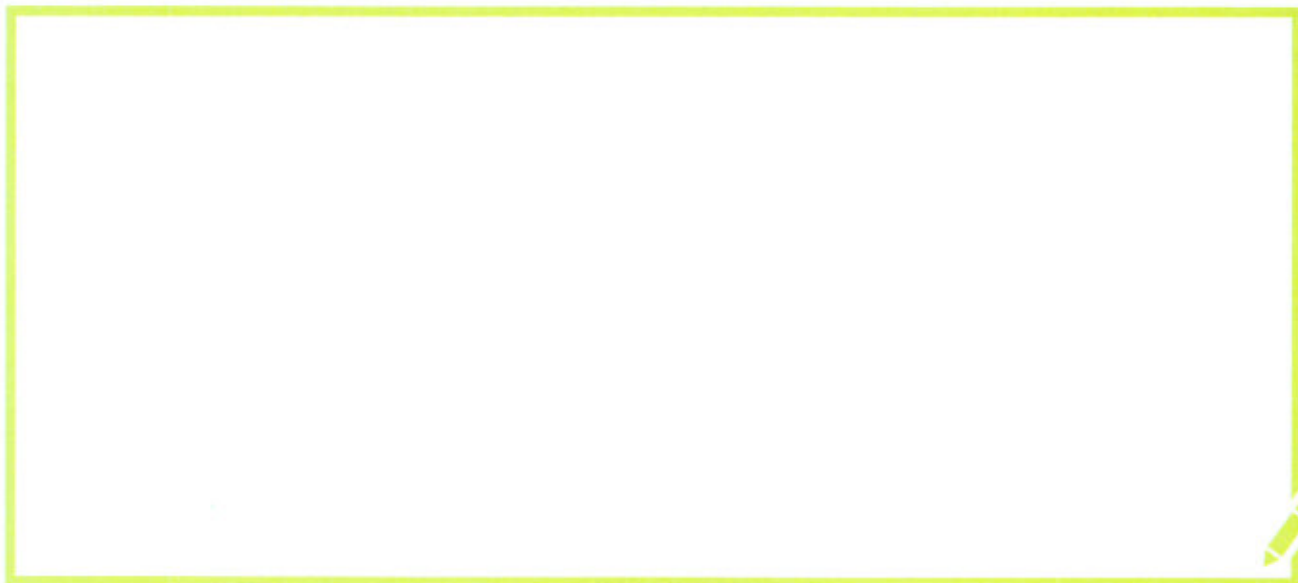


**2** I can hear a hat.      **T / F**

**6** Color the objects you can see AND hear.



**7** Think and draw an object you can see AND hear.



8 Read and trace.

I use my skin to feel things.

9 Look, read, and write.

hot cold rough ~~smooth~~



1 It feels smooth.



2 It feels \_\_\_\_\_.

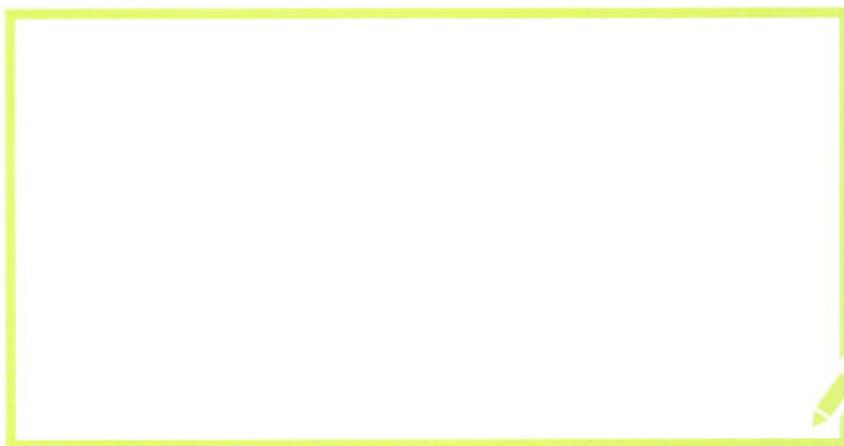
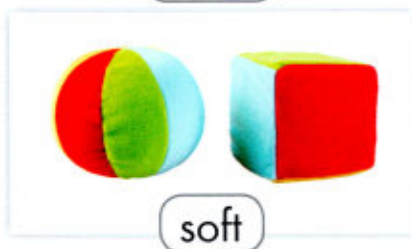


3 It feels \_\_\_\_\_.



4 It feels \_\_\_\_\_.

10 Look and read. Think and draw.



It feels soft.

**11** Read, look, and draw.

I use my nose to smell things.

Does it smell good? 😊

Does it smell bad? 😞



**12** Read, trace, and mark (✓) or (X).

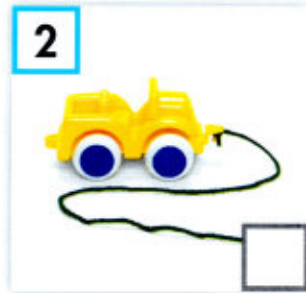
I use my tongue to taste things.

I can taste sweet, salty, and sour things.

sweet	✓					
salty	X					
sour	X					

## Lesson 2 • What does my body need?

1 Mark (✓) the things your body needs and (X) the things it doesn't need.



2 Read and write.

energy   ~~food~~   Sleep   healthy

My body needs (1) food and water to be (2) \_\_\_\_\_.

Food gives me (3) \_\_\_\_\_ to grow, play, and think.

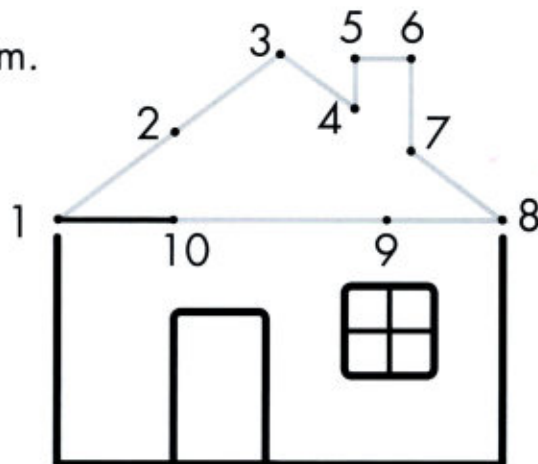
(4) \_\_\_\_\_ helps me remember what I learn.



3 Read and trace. Join the dots.

My house keeps me safe and warm.

It is my shelter.



**4** Read, look, and write the names.

Our bodies need exercise.



1 Jen is playing soccer.

2 \_\_\_\_\_ is running.

3 \_\_\_\_\_ is riding a bike.

4 \_\_\_\_\_ is swimming.

**5** Look, read, and circle.



**Tip**

David is running.

He's running.

Maria is swimming.

She's swimming.

1 **She's** / **He's** sleeping.    2 **She's** / **He's** exercising.

**6** Read, choose, and circle. Think and draw.

I'm exercising. I'm **running** / **swimming**.

# Unit 6

## Earth and Sky



What are Earth  
and the sky like?

1 Look and trace.



2 Look, read, and circle.



1 It is **day** / **night**.

2 It is **day** / **night**.


3 Think and draw  
your home in  
the day.




# Lesson 1 • What makes up Earth?

1 Look and color. What is in the sky? Mark (✓) or (X).

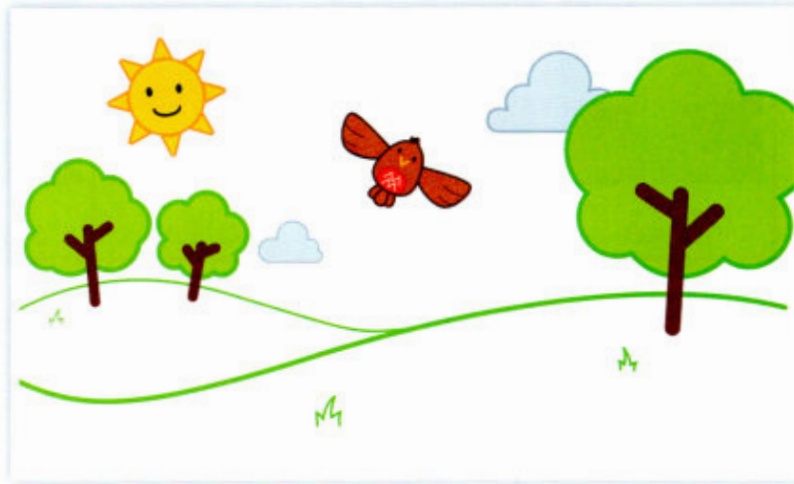
**Key**







sky



land



	<input checked="" type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

2 Look, read, and write.



This bird is low.



These birds are high.

**Tip**

This bird is big.  
These birds are small.



This    are    ~~is~~    These

1 This bird is yellow.

2 \_\_\_\_\_ birds are pink.

3 \_\_\_\_\_ bird is low.

4 These birds \_\_\_\_\_ high.



**3** Read, look, and mark (✓) or (X).

Earth is made up of water and land.

					
	lake	hill	valley	swamp	ocean
water	✓				
land	X				

**4** Read, look, and label the pictures.

~~mountain~~ lake ocean river



mountain

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**5** Write the name of a river in your country.

\_\_\_\_\_

**6** Read and circle *T* (true) or *F* (false).

1 Mountains are high.  T / F

2 Mountains are low. T / F

3 Valleys are high. T / F

4 Valleys are low. T / F

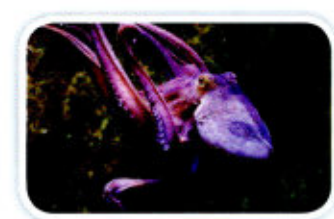
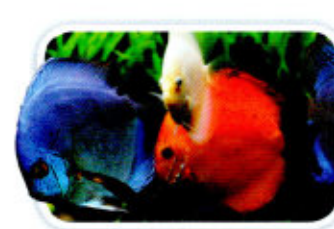


**7** Look and draw circles to group. Read and write.

on land      in water

They live \_\_\_\_\_.

They live \_\_\_\_\_.



**8** Read, think, and draw.



This animal lives on land and in water.

## Lesson 2 • What can you see in the day and night skies?

1 Read and think. Draw and color.



1 Draw the sun.

2 Draw a cloud.

3 Draw the moon.

4 Color the sky blue.

5 Color the sun yellow.

6 Color the cloud gray.

2 Read, look, and write.

noon

~~morning~~

evening



1 It is morning.

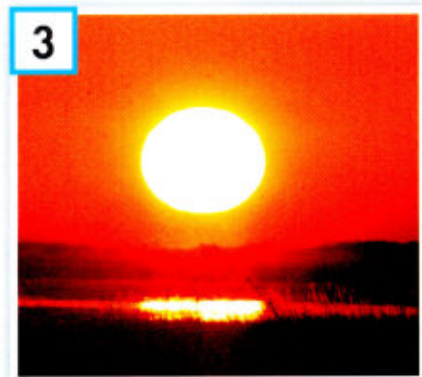


2 It is \_\_\_\_\_.



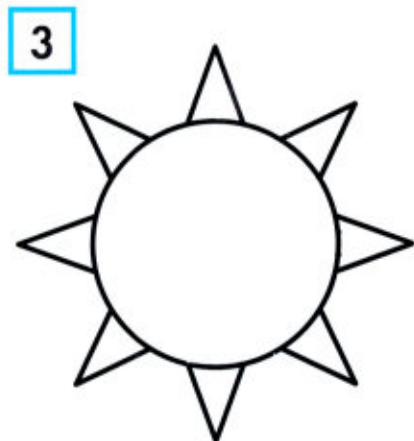
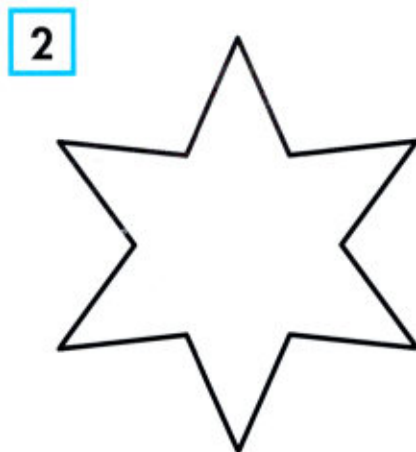
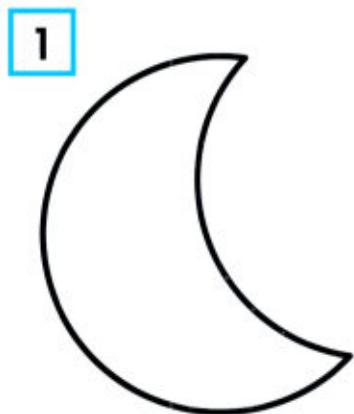
3 It is \_\_\_\_\_.

**3** Look, read, and circle.



- 1 The sun is **low** / **high** in the morning.
- 2 The sun is **low** / **high** at noon.
- 3 The sun is **low** / **high** in the evening.

**4** Color what is in the night sky.



**5** Read and mark (✓) or (X).

- 1 The sky is dark at night.
- 2 You can see the sun at night.
- 3 You can see stars in the night sky.
- 4 Stars are close to Earth.



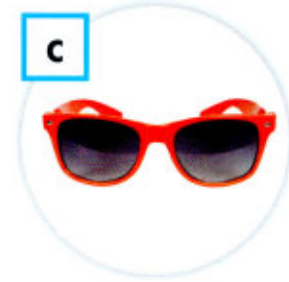
## Lesson 3 • What is the weather? What are the seasons?

1 What do you need? Read, look, and match.

1 It is snowy.

2 It is sunny.

3 It is rainy.



2 Read, look, and write the number.

1 There are no clouds.

2 It is cold and white outside.

3 The trees move a lot.

4 There are lots of clouds.



It is snowy.



It is windy.



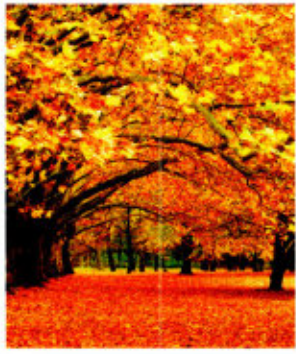
It is cloudy.



It is clear.

**3** Read, look, and write.








spring    summer    ~~fall~~    winter



1 fall    2 \_\_\_\_\_    3 \_\_\_\_\_    4 \_\_\_\_\_

**4** Read and look. Count and write.

This is a weather chart.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						


How many clear days? \_\_\_\_


**5** Make a weather chart. Collect data and record.


Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday


# Review 4-6


1 Look and match the babies and parents.


1 


2 


3 

4 

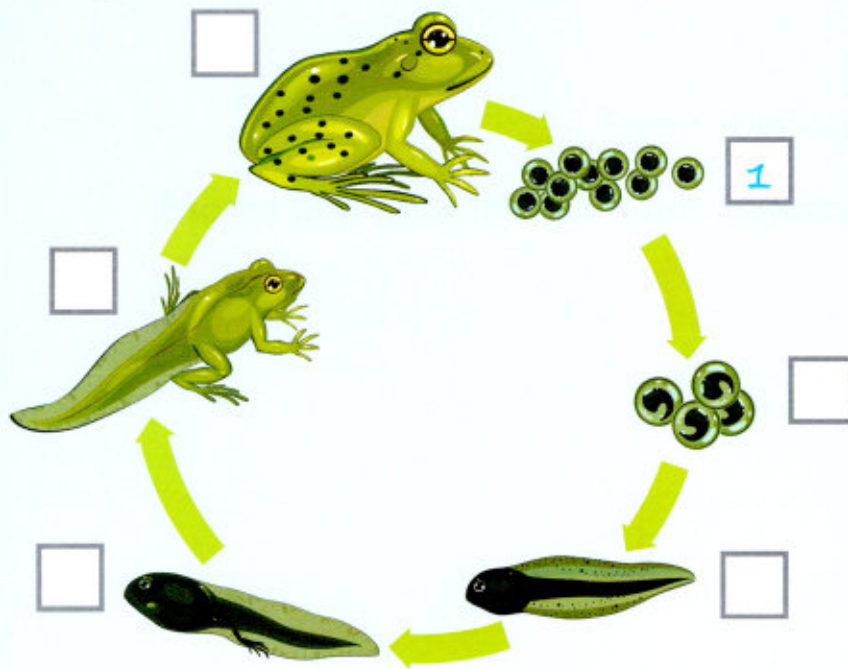
a 

b 

c 

d 

2 Look at the life cycle and write numbers.



**3** Read, find, and circle.

touch    ~~see~~    taste    smell    hear

1 falseseeriiay

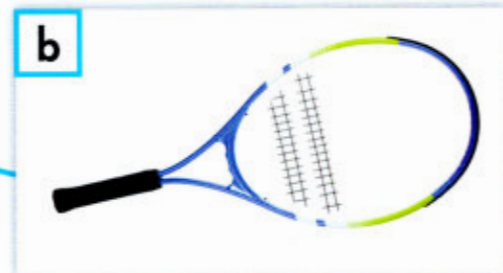
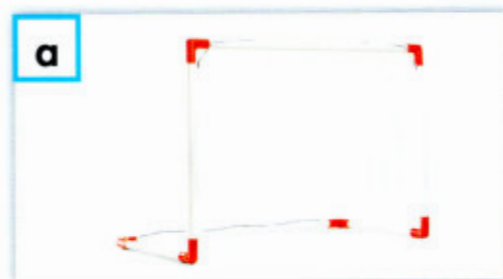
2 aghearmef

3 keigtouchi

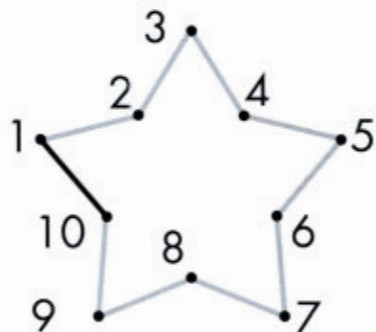
4 mifetastel

5 psmellovim

**4** Look and match.



**5** Join the dots. Read and circle.



It's a sun / star / moon.



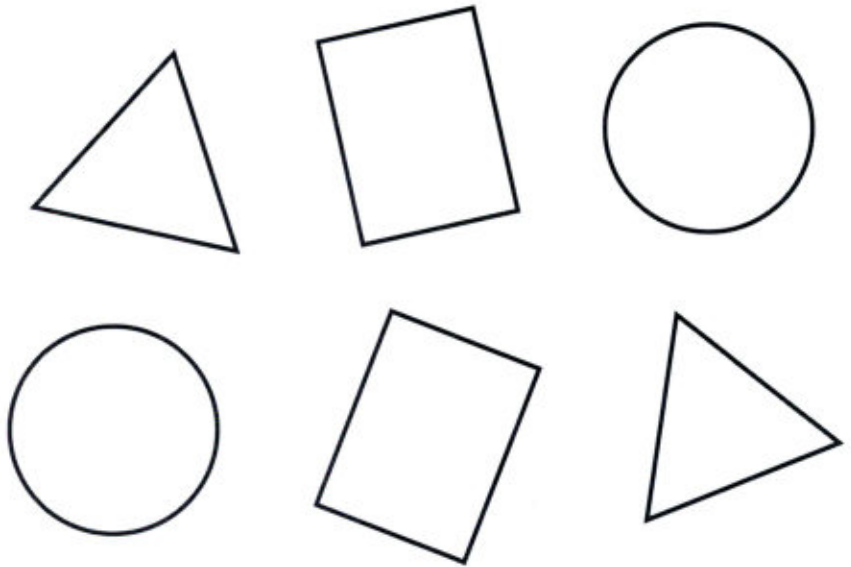
# Unit 7

# Objects



What are objects like?

1 Look and color.

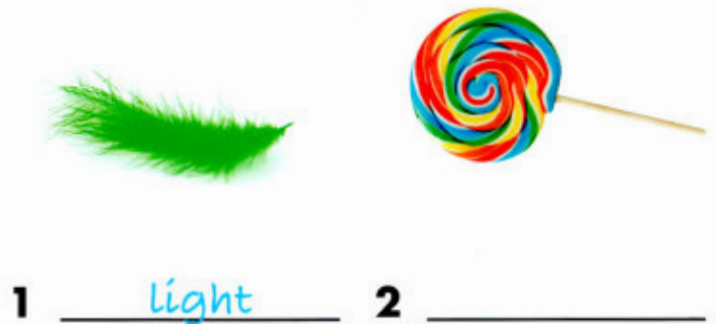


2 Look and match.



## Lesson 1 • What are objects made of?

1 Look, read, and write.

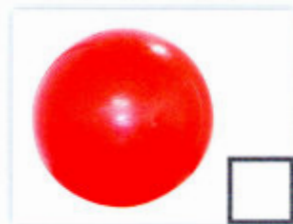
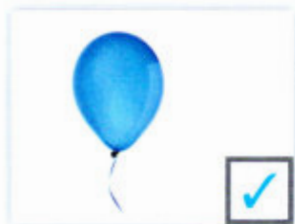


3 \_\_\_\_\_

4 \_\_\_\_\_

5 \_\_\_\_\_

2 Look, read, and mark (✓) or (x).



1 It feels smooth.

2 It feels rough.

3 It feels smooth.

4 It feels rough.

3 Look and write *rough* or *smooth*.



It feels \_\_\_\_\_.

**4** Read, look, and circle.

What is it made of?



1 glass / wood



2 plastic / metal



3 plastic / wood



4 metal / wood

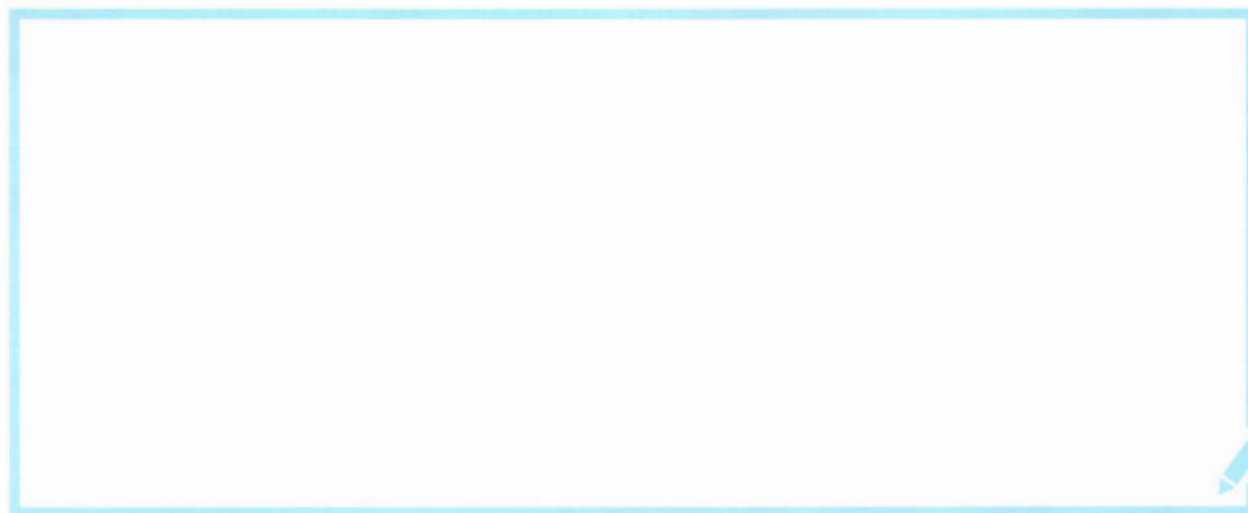


5 glass / plastic



6 metal / glass

**5** Read, think, and draw.



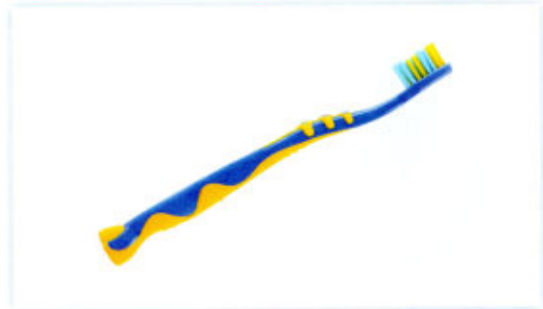
This object is made of plastic.

**6** Read, look, and write.

wood   plastic   ~~glass~~   metal



**1** It's made of glass.



**2** It's made of \_\_\_\_\_.



**3** It's made of \_\_\_\_\_.



**4** It's made of \_\_\_\_\_.

**7** Look, read, and write.

Yes, it is.   No, it isn't.

**Tip**

Is it...?   Yes, it is.  
                  No, it isn't.



**1** Is it made of glass?

\_\_\_\_\_

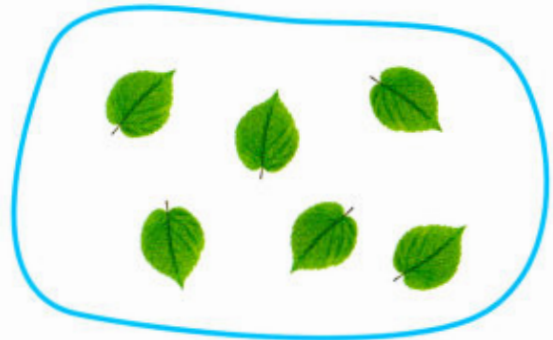
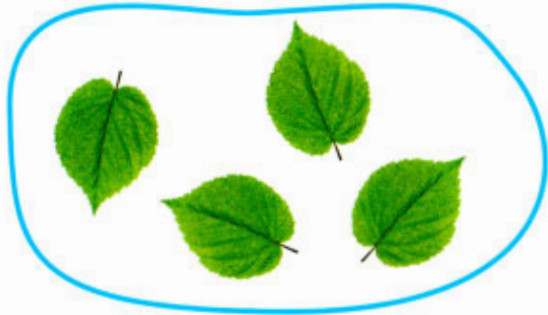


**2** Is it made of wood?

\_\_\_\_\_

## Lesson 2 • How can you sort objects?

1 Look, read, and mark (✓) or (X).

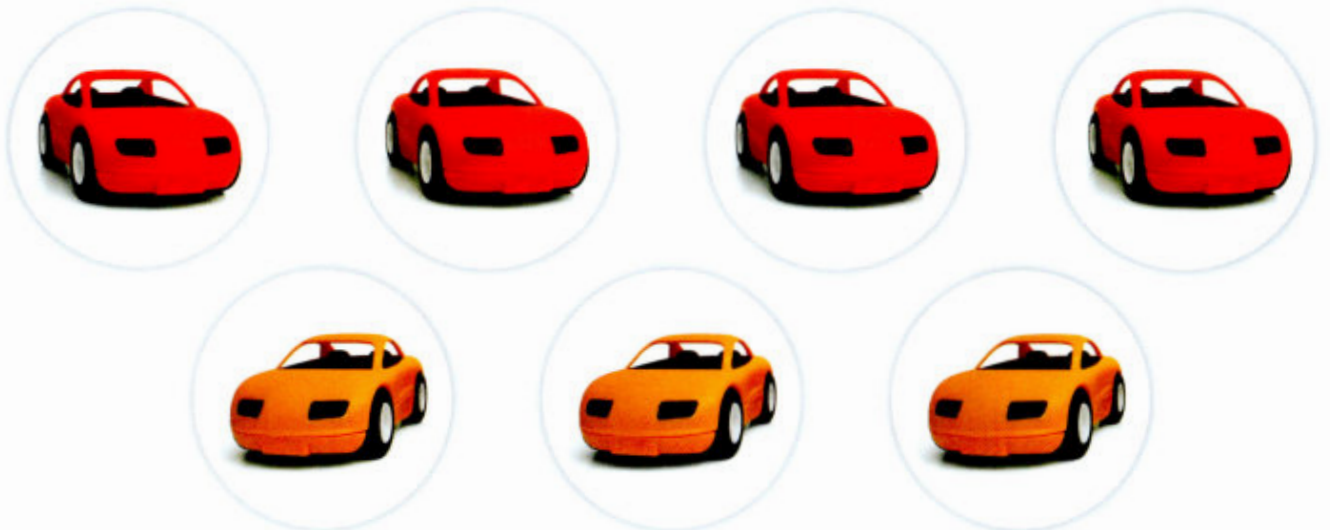


1 You can sort these objects by size.



2 You can sort these objects by color.

2 Look, read, and circle.



You can sort these objects by **size** / **color**.

**3** Read, look, and write.

You can sort these objects by material.

wood    plastic



**1** These objects are made of \_\_\_\_\_.

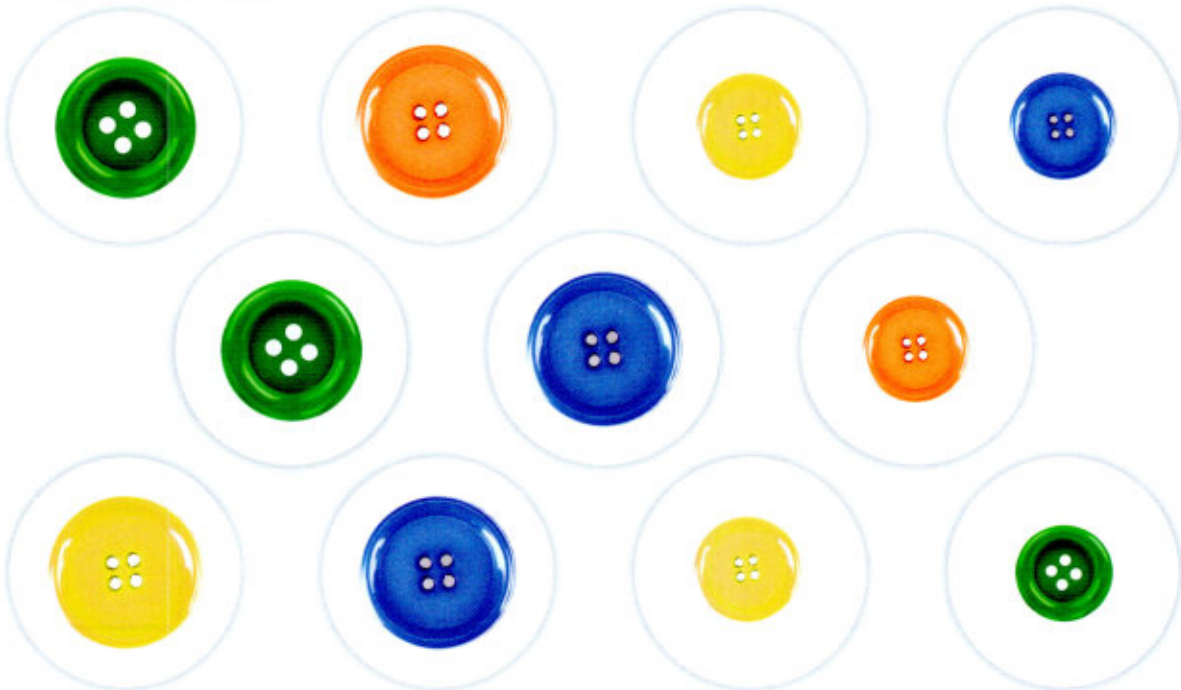


**2** These objects are made of \_\_\_\_\_.

**4** Look and draw circles to group. Read and write.

Sort these objects by size.

big    small



**1** There is one group of \_\_\_\_\_ objects.

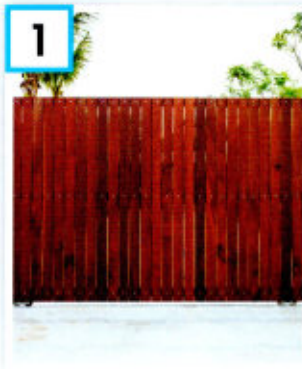
**2** There is one group of \_\_\_\_\_ objects.

## Lesson 3 • How do we use some objects?

### 1 Read, look, and write.

The shape of an object or the material it is made of can tell you how you can use it.

clay ~~wood~~ metal glass



- 1 We can use wood to make a gate.
- 2 We can use \_\_\_\_\_ to make a window.
- 3 We can use \_\_\_\_\_ to make a frying pan.
- 4 We can use \_\_\_\_\_ to make a plant pot.

### 2 Look, read, and mark (✓) or (X).

We can see through it.	X			
It's warm.	X			
It's sticky.	X			
It's strong.	✓			

**3** Look, read, and match.



**1** We use it to make a bus. It is strong.

**2** We use it to make a jug. We can mold it.

**3** We use it to make clothes. It is warm.

**4** We use it to make a hand lens. We can see through it.

**a** clay

**b** glass

**c** metal

**d** wool

**4** Look and write.

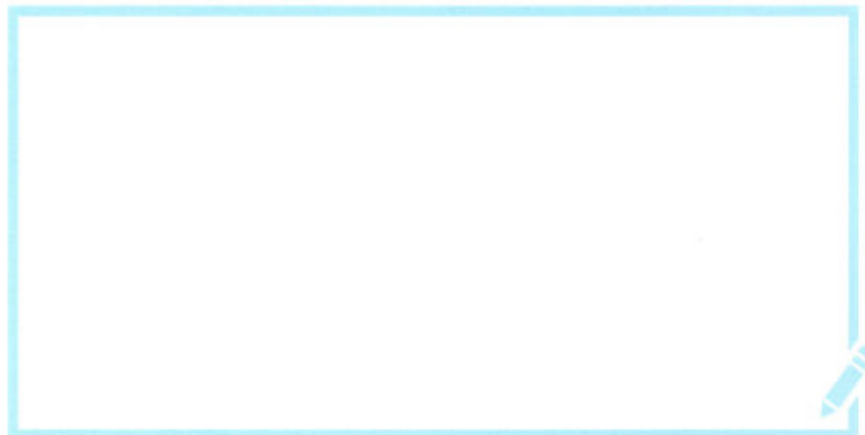
glass  
metal  
wood



**5** Think and design an object. Choose a material. Draw and write.

glass    metal  
wood    clay  
          wool

My object is  
made of \_\_\_\_\_.





# Unit 8

## Matter and Mixtures



What are matter and mixtures?

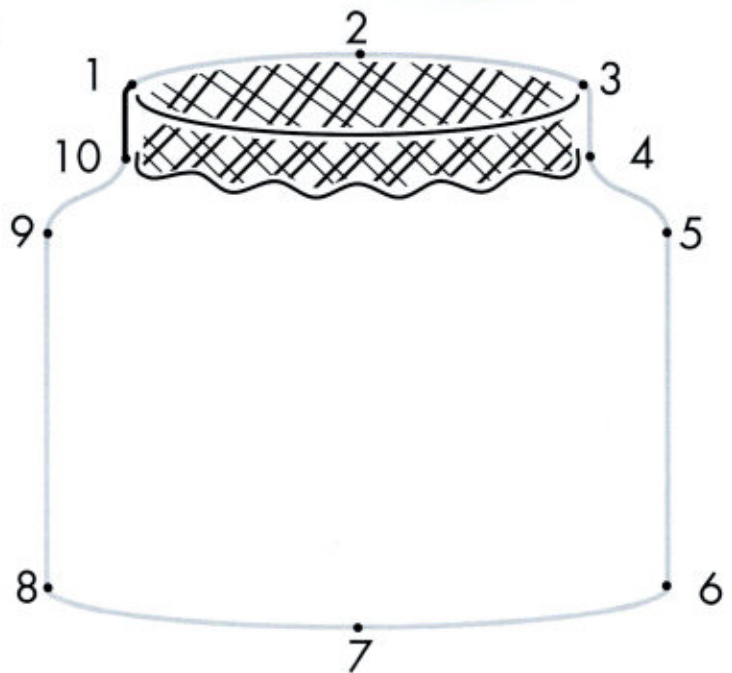
**1** Which are containers? Read, look, and mark (✓) or (X).

You can put things in containers.

There are coins in this container.

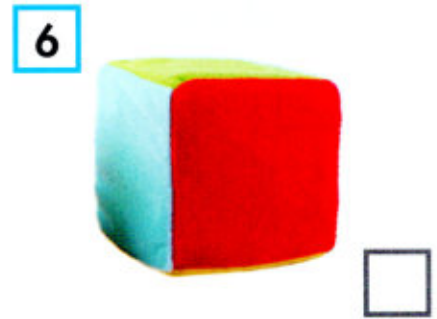


**2** Join the dots. Read and draw things in the container.



## Lesson 1 • What are solids, liquids, and gases?

1 Which are solids? Look and mark (✓) or (X).



2 Read and circle *T* (true) or *F* (false).

1 Solids can be hard.

T / F

2 Solids can be soft.

T / F

3 Solids keep their own shape

T / F

4 You cannot see solids.

T / F

3 Think of three solids and write.


1 \_\_\_\_\_  
2 \_\_\_\_\_  
3 \_\_\_\_\_



4 Read, look, and mark (✓) or (X).

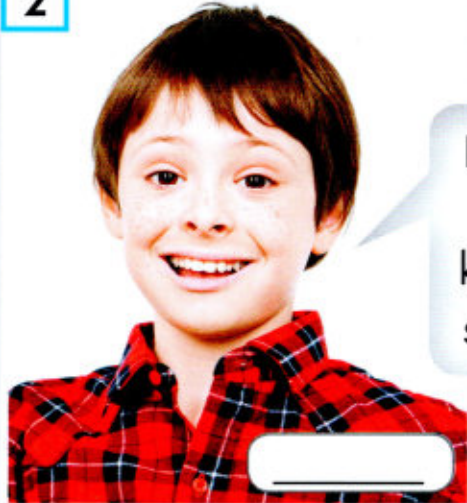
Kind of matter				
solid	✓			
liquid	X			

5 Read and write Yes or No.

1 

Can you see a liquid?

Yes

2 

Does a liquid keep its shape?

3 

Is a book a liquid?

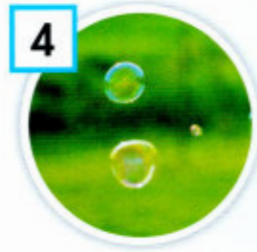
                    

4 

Is milk a liquid?

**6 Read and circle.**

Which objects are filled with gas?



**7 Read and circle T (true) or F (false).**

1 Gases have their own shape.

T / **F**

2 You can see all gases.

T / F

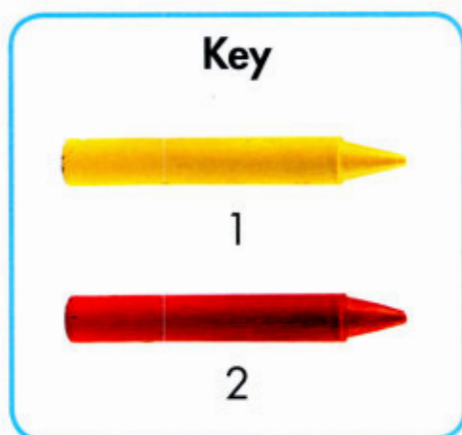
3 Air is a gas.

T / F

4 A pencil is a gas.

T / F

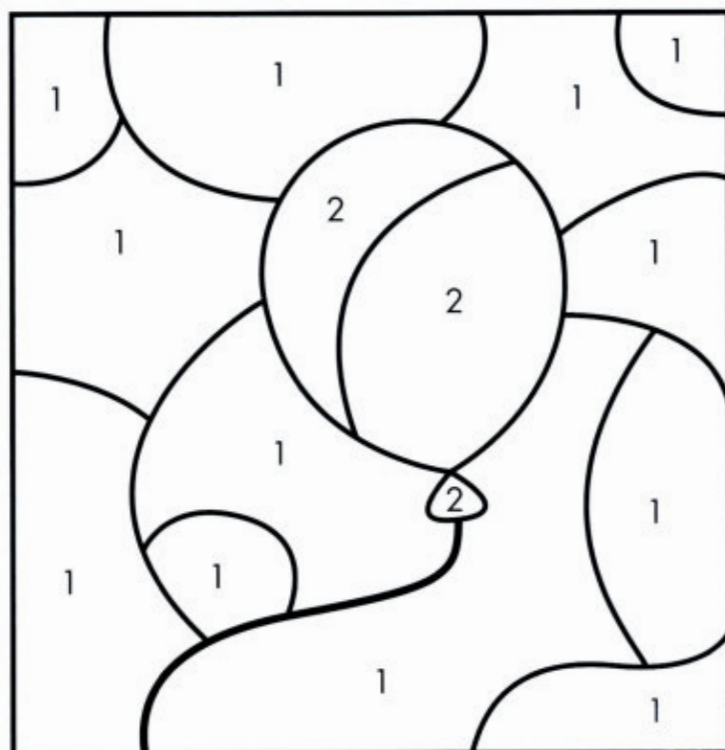
**8 Color and write.**



solid    liquid    gas

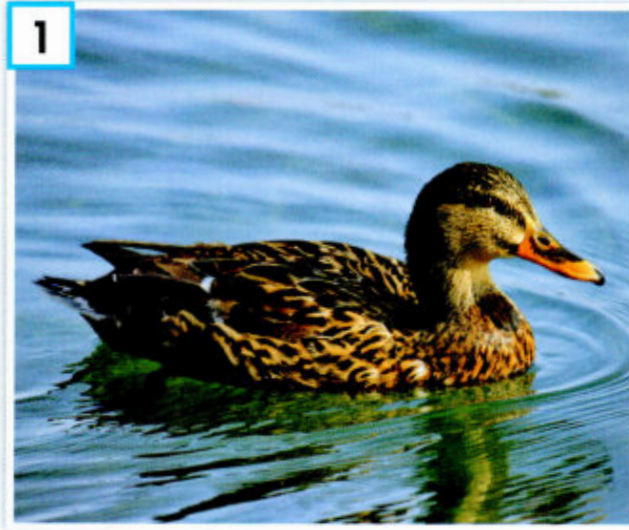
The object is filled with a

\_\_\_\_\_.



## Lesson 2 • How can matter change?

1 Look, read, and write the number.



The ice is a solid.

The water is a liquid.

2 Read and match.

1 Water

2 Cold water can

3 It can change from a liquid

4 Solid water is

a to a solid

b is a liquid.

c called ice.

d freeze.



3 Read and circle.

1 Ice is a liquid / **solid**.

2 This ice is in a warm / cold place.

3 It is melting / boiling.

4 It changes to a solid / liquid.



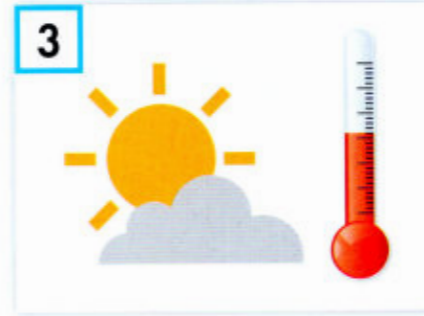
**4** Read and write.

boils   air   gas   ~~liquid~~

- 1 Water is a liquid.
- 2 When water gets very hot, it \_\_\_\_\_.
- 3 It changes from a liquid to a \_\_\_\_\_.
- 4 The gas goes into the \_\_\_\_\_.



**5** Look, read, and match.



**a** It's hot.

**b** It's warm.

**c** It's cold.

**6** Read, think, and choose. Draw and write.

cold   hot

It's \_\_\_\_\_.

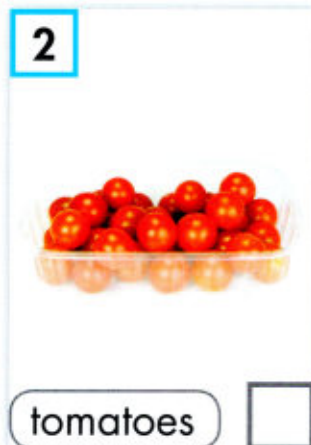
sunglasses   a hat  
gloves   a coat

I'm wearing \_\_\_\_\_.



## Lesson 3 • What is a mixture?

1 Which are mixtures? Look and mark (✓) or (X).



2 Look, read, and write the number.



It is a mixture of solids.

3

It is a mixture of solids and a liquid.

It is not a mixture.

3 Look, read, and circle.

This is a mixture of **solids** / **liquids**  
and a **gas** / **liquid**.



**Tip**

salt **and** pepper



milk **and** cookies



**4** What is in the mixture? Write.

solids    gas    liquid



The mixture has \_\_\_\_\_ and a \_\_\_\_\_ in it.

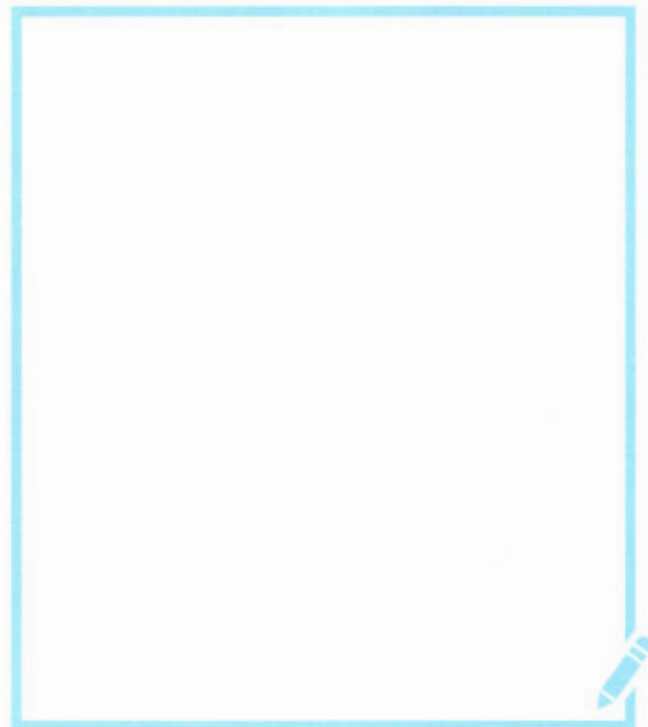
**5** Read and think. Draw and write.

cake    sandwiches  
fruit salad    soup

My favorite food is \_\_\_\_\_.

cheese    vegetables  
fruit    chocolate

It has \_\_\_\_\_ in it.





# Unit 9

## Motion



What are position and motion?

1 Read, look, and write.

one two three four  
five six seven  
eight nine ten

How many kites can you see?  
I can see \_\_\_\_\_ kites.



2 Look, find, and match.



a plant



a clock



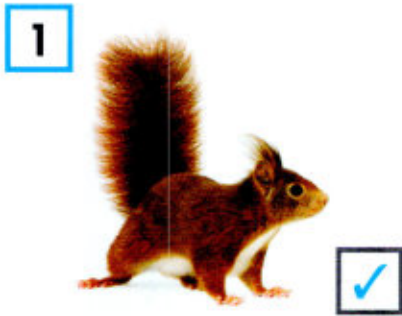
a lamp



a ball

**3** Read and mark (✓) if it can or (X) if it can't.

Can it move on its own?



**4** Who is moving? Look and circle.



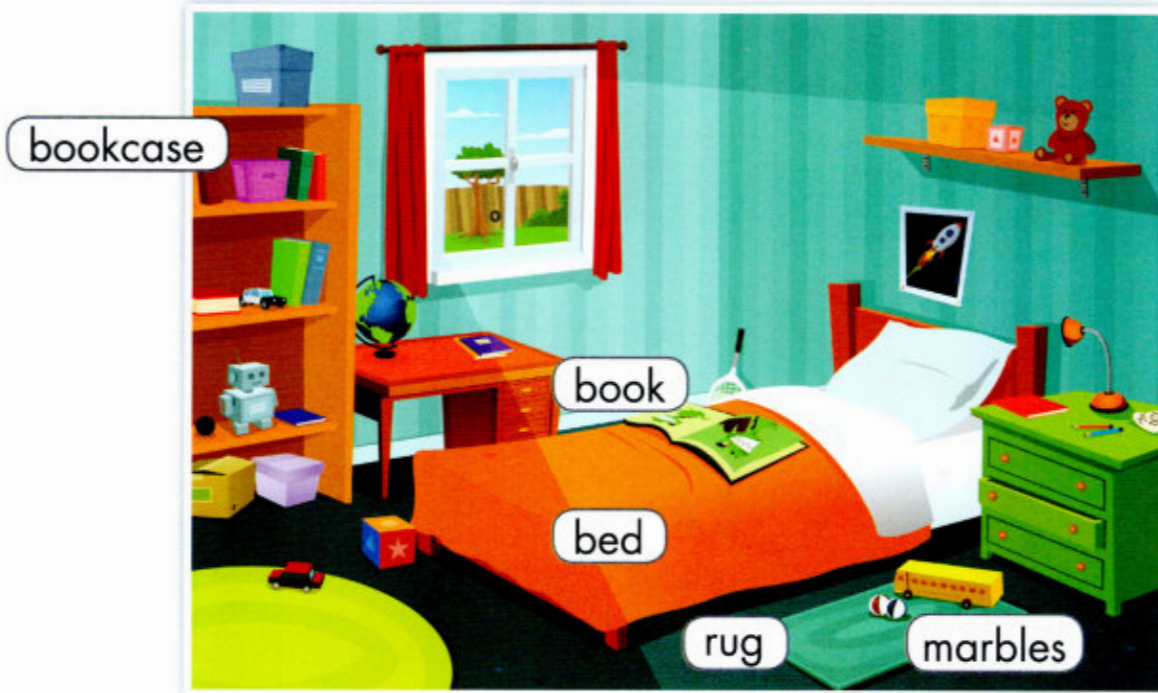
## Lesson 1 • What can you tell about an object's position?

**Tip**

Where **is**...? It's...

Where **are**...? They're...

**1** Read, look, and circle.



**1** Where is the book?

It's **on** / **next to** the bed.

**2** Where is the rug?

It's **on** / **next to** the bed.

**3** Where is the bookcase?

It's **on** / **next to** the desk.

**4** Where are the marbles?

They're **on** / **next to** the rug.

**2** Read, look, and mark (✓) or (X).

Where is the blue duck?

**1** It's in front of the green duck.

**2** It's behind the green duck.



**3** Read, look, and write.

next to    below    ~~above~~

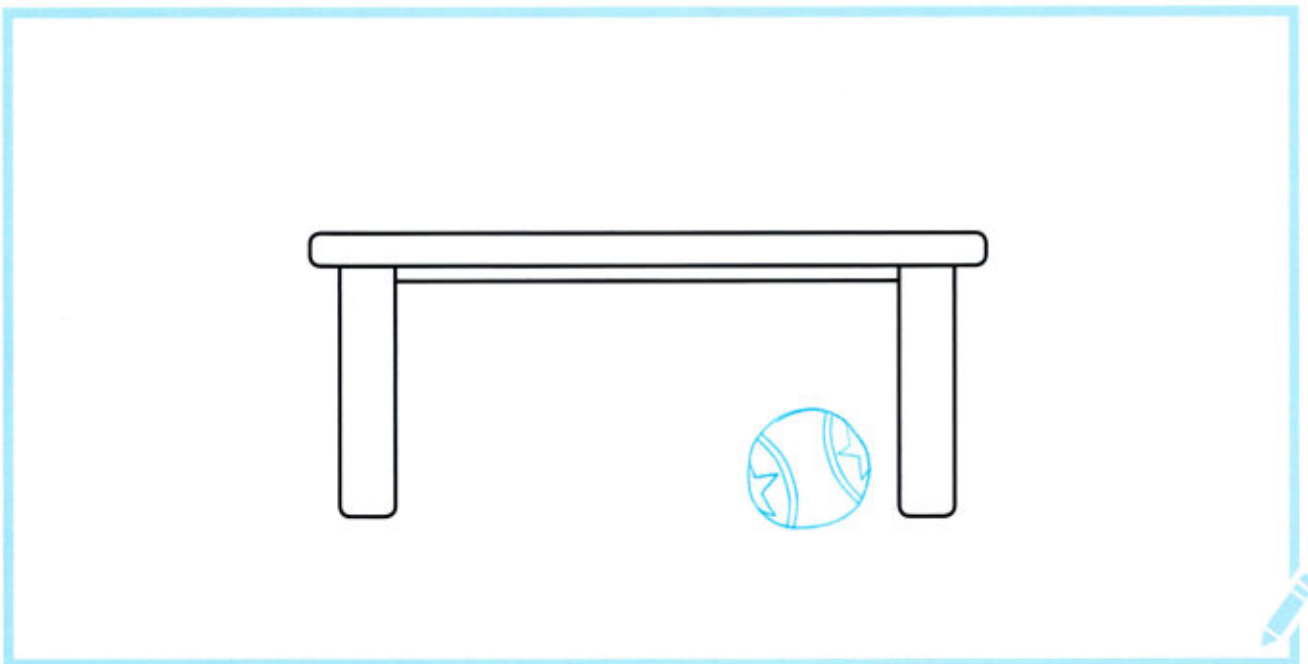
- 1 The bedroom is above the living room.
- 2 The kitchen is \_\_\_\_\_ the bathroom.
- 3 The living room is \_\_\_\_\_ the kitchen.



**4** Read, think, and draw.

Draw the correct position of these objects.

- 1 Draw a ball below the table.
- 2 Draw a clock on the table.
- 3 Draw a bookcase next to the table.
- 4 Draw a rug in front of the table.

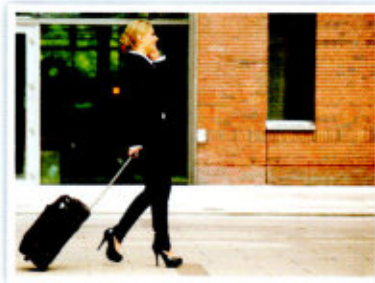


## Lesson 2 • What are some ways objects move?

1 Look, read, and circle.



1 push / pull



2 push / pull



3 push / pull



4 push / pull



5 push / pull



6 push / pull

2 Read, look, and write.

feet head ~~hands~~



1 I can use my hands to push a ball.



2 I can use my \_\_\_\_\_ to push a ball.



3 I can use my \_\_\_\_\_ to push a ball.

**3** Read, look, and match.

**1** The woman

**2** The swing moves

**3** The boy

**4** The backpack moves

**a** pulls.

**b** toward him.

**c** pushes.

**d** away from her.



**4** Read, look, and write.

away from

toward



**1** Eve pulls the teddy.  
It moves toward her.



**2** Jessica pushes the books.  
They move \_\_\_\_\_ her.



**3** Alex pulls the cart.  
It moves \_\_\_\_\_ him.



**4** Maria pushes the stroller.  
It moves \_\_\_\_\_ her.

**5** Read, look, and write.

~~fast~~   small   slow   big

**1** A big push makes the shopping cart move fast.



**2** A small push makes the shopping cart move \_\_\_\_\_.



**3** A \_\_\_\_\_ push makes the tricycle move slow.

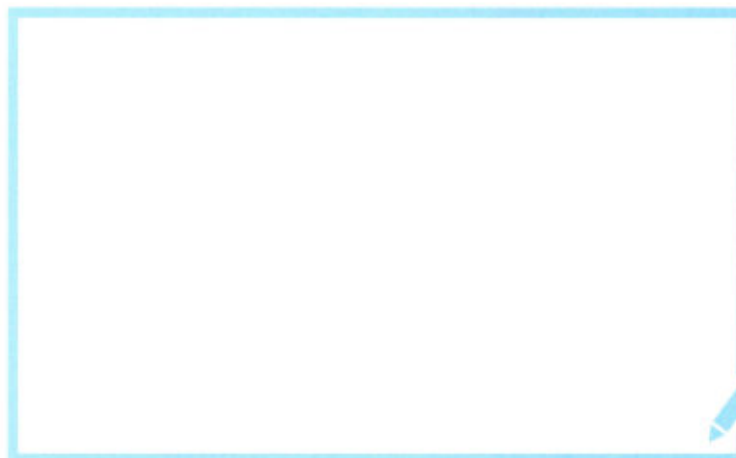
**4** A \_\_\_\_\_ push makes the tricycle move fast.



**6** Think of a big or small object to push. Read, draw, and write.

big   small  
fast   slow

A \_\_\_\_\_ push makes the object move \_\_\_\_\_.



## Lesson 3 • What are magnets?

### 1 Read and write.

push    toward    magnets    ~~attract~~

- 1 Magnets attract magnetic objects.
- 2 They pull the objects \_\_\_\_\_ them.
- 3 Repel means \_\_\_\_\_ away.
- 4 Magnets sometimes repel other \_\_\_\_\_.



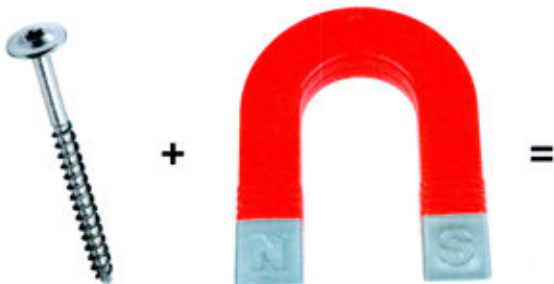
### 2 Read, look, and write.

attract    don't attract



- 1 Magnets attract paper clips.
- 2 Magnets \_\_\_\_\_ crayons.
- 3 Magnets \_\_\_\_\_ plastic blocks.
- 4 Magnets \_\_\_\_\_ nails.

### 3 What happens? Think and draw.





# Review 7-9

## 1 Read, find, and circle.

1 tiwomglass

2 yumetalosp

3 replasticom

4 geclaycubi

5 liwoolubte

6 ghoyiwood

## 2 Read, look, and match.

1 You can wear them.  
They are made of wool.

2 You can sit on it.  
It is made of wood.

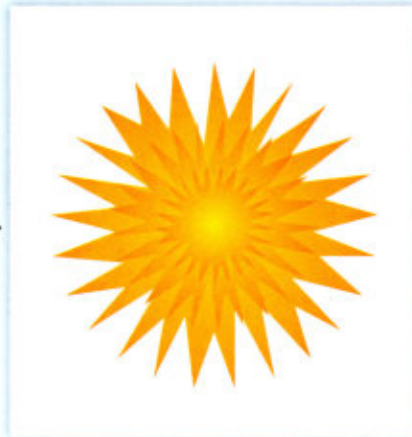
3 You can sit on it.  
It is made of plastic.



## 3 What happens? Think and circle a or b.





+


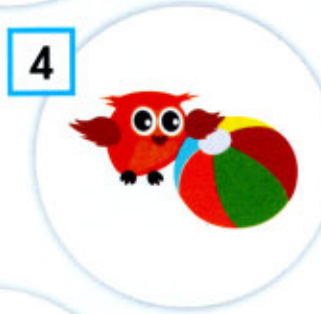




=



**4** Look, read, and match.

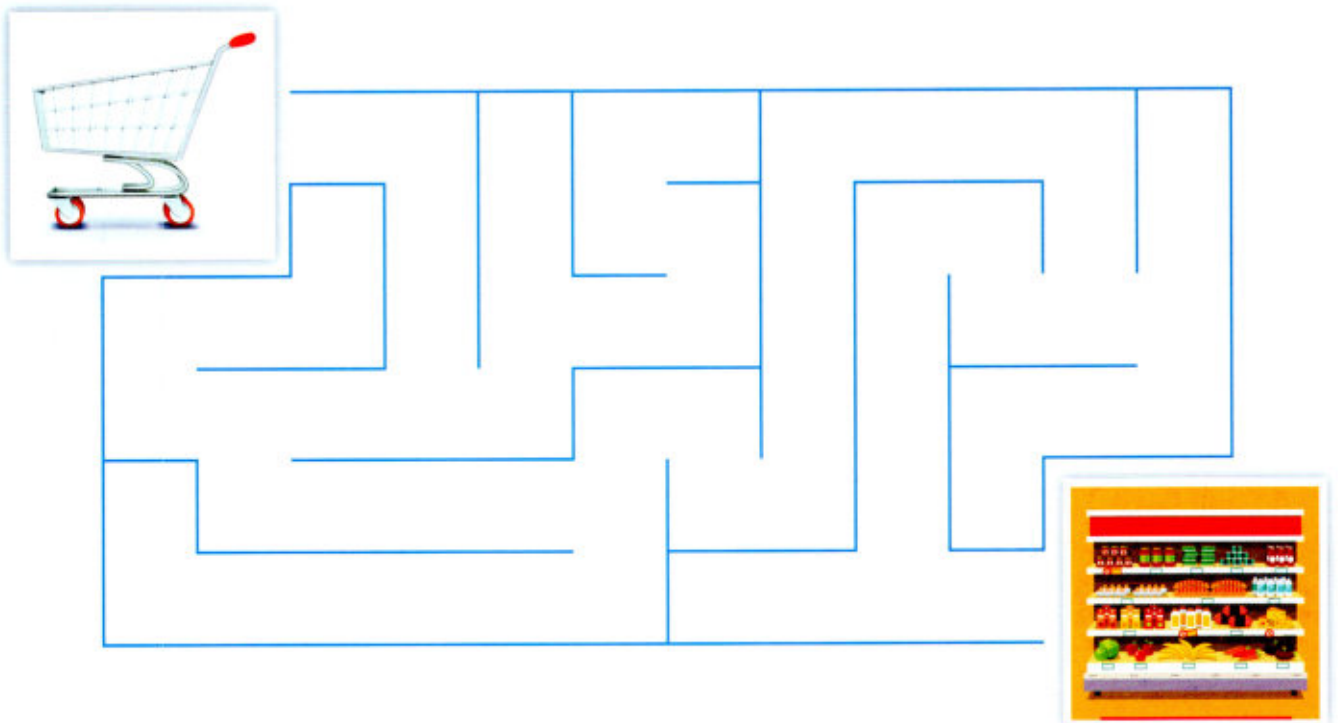
1  2 

3  4 

5  6 

a above  
b on  
c next to  
d in front of  
e behind  
f below

**5** Push the shopping cart to the store. Draw a line.



# Vocabulary

## Units 1–9 • What do I know?

Do you know these words? Read, think and trace.

### Unit 1

scientist   question   answer

### Unit 2

problem   idea   solve

### Unit 3

grow   change   move

### Unit 4

parent   adult   life cycle

### Unit 5

hear   touch   taste

### Unit 6

Earth   sky   weather

### Unit 7

wood   glass   metal

### Unit 8

solid   liquid   gas

### Unit 9

push   pull   magnet

## Units 1–9 • What do I know?

I can talk about...

**Unit 1** what science is.

✓

x

**Unit 2** problems and solutions.

**Unit 3** living and nonliving things.

**Unit 4** plants and animals.

**Unit 5** my body and my senses.

**Unit 6** Earth and the sky.

**Unit 7** objects.

**Unit 8** matter and mixtures.

**Unit 9** position and motion.

# Reading Skills

## Units 1-4 • What do I know?

Unit 1 I can read numbers.

Match.

1 2 3 4 5 6 7 8 9 10

a eight

b three

c four

d seven

e nine

f two

g ten

h five

i six

j one

Unit 2 I can read and circle *Yes* or *No*.



Is the red object a solution? **Yes / No**

Unit 3 I can read and circle *T* (true) or *F* (false).



A caterpillar is a living thing. **T / F**

Unit 4 I can read and circle a word.



This is a **fish / frog**.

## Units 5-9 • What do I know?

### Unit 5 I can read and then draw.

Draw an object you can feel.



### Unit 6 I can read and mark (✓) or (X).

1 The sun is low in the evening.

2 The sun is high in the evening.

### Unit 7 I can read and mark a chart (✓) or (X).



It comes from sheep.			
It's strong.			
It's sticky.			

### Unit 8 I can read and match parts of a sentence.

1 Solids have

a a liquid.

2 You can pour

b their own shape.

### Unit 9 I can read a sentence and write the correct word.



next to      on

The cat is \_\_\_\_\_ the mat.

# Writing Skills

## Units 1-4 • What do I know?

Unit 1 I can write numbers.



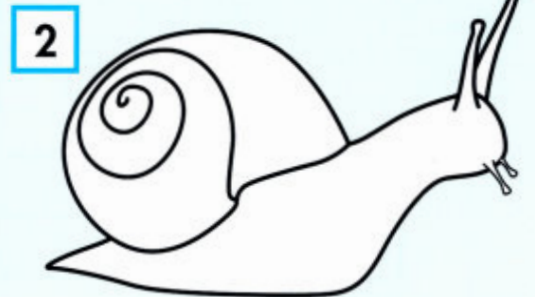
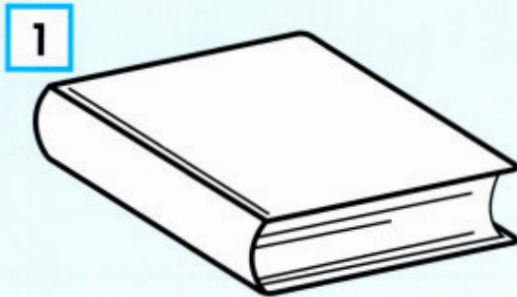
How many butterflies? \_\_\_\_\_

Unit 2 I can trace words.

You need to test your solution.

Unit 3 I can color.

Color the living thing.



Unit 4 I can draw arrows.



## Units 5-9 • What do I know?

Unit 5 I can choose and write a word.

one two three

I have \_\_\_\_\_ hands.

Unit 6 I can label a picture.

water  
land



Unit 7 I can write a short sentence.

Yes, it is. No, it isn't.

Is wood strong? \_\_\_\_\_

Unit 8 I can write a list.

Write two liquids.

1

2

Unit 9 I can look at a picture and write the correct word.

behind in front of above

The ball is \_\_\_\_\_ the boy.





# Study Skills

## Learning science words

- Write new words in your notebook. Draw or find pictures.
- Learn to write the words by yourself.

## Asking questions

- Ask your teacher, or your mom or dad, questions.  
*Why...? What...? When...? How...?*
- Ask them to help you find the answers.

## Collecting data

- Collect information.
- Count the number of petals on different flowers.
- Count the number of seeds in different fruits.
- Measure how a plant grows.

## Classifying

- Sort objects into groups. You can sort toys or clothes.
- Find pictures of plants or animals, and sort them.

## Exploring

- Use your senses to explore.
- Use your eyes to look at an object. Draw it.
- Close your eyes. What can you hear? What can you smell?
- Think about the food you eat. Does it taste sweet or salty?

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