

Let's Do **SCIENCE**

Kindergarten Gamebook



Let's Do SCIENCE

Kindergarten Gamebook

Name: _____

Class: _____

EDUCATION



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Let`s Do Science Gamebook Kindergarten

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Gamebook is a supplementary material to be used in the classroom and at home to diversify the learning routine, provide students with engaging materials that would help them to improve not only their academic, but also cognitive and social skills.

Games offered in this book allow children to use their creativity while:

- ✓ developing dexterity,
- ✓ training memory and attention span,
- ✓ developing cognitive and emotional strength,
- ✓ learning the importance of teamwork and collaboration,
- ✓ improving cognitive and interpersonal skills.



Unit 1

What Are Living Things?

Living things are things that are alive. **People** are living things. **Animals** are living things. **Plants** are living things too.

Look at the things around you.

- ✓ What things can you see?
- ✓ Name all the living things you can see around you right now.



What are Non-Living Things?

Many things around you, like your toys, your clothes, rocks, and water are not living things. Something that is not a living thing is called a non-living thing. Non-living things are not alive.

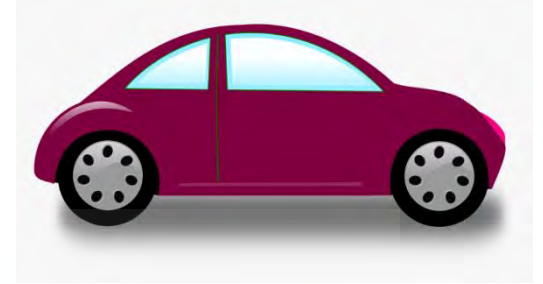
Look at the things around you.

- ✓ What things can you see?
- ✓ Name all the non-living things you can see around you right now.



Look at these pictures. Group living and non-living things.

Living Things



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Non-Living Things

MATCH THE ANIMAL WITH ITS BABY.



Cat



Dog



Hen



Sheep



Horse



Puppy



Lamb



Kitten



Foal



Chick

Match Baby Animals and their Parents.

Adult:

Young:

Cat



Cub



Chicken



Chick



Kitten

Cow



Calf



Deer



Fawn



Dog



Puppy



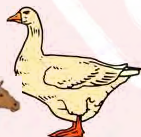
Duck



Duckling



Goose



Gosling



Horse



Foal



Kangaroo



Joey

Platypus

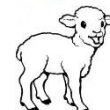
Platypup



Sheep



Lamb



Swan



Cygnets

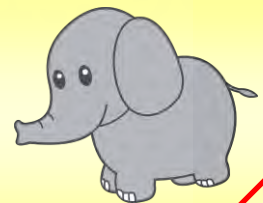
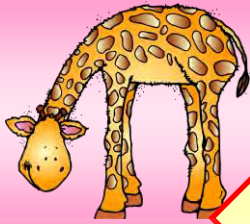


Bear





Name Animals



Bear
 Elephant
 Cow
 Donkey
 Spider
 Giraffe
 Goat
 Chicken
 Zebra
 Sheep
 Tiger
 Monkey
 Lion
 Snake

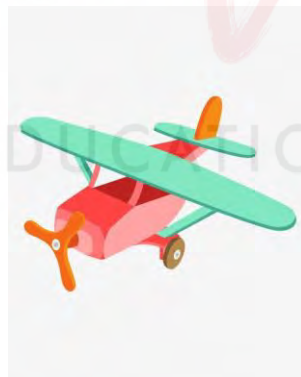
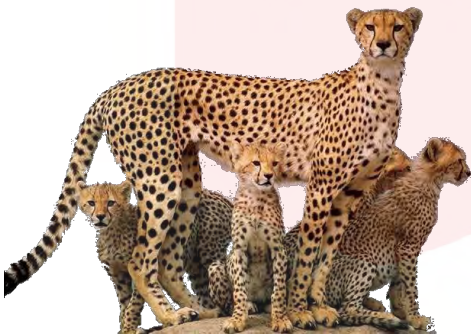
Cut out the flashcards. Play with your friends.

Ideas for the game.

1. Place the cards face down on the desk. Each friend takes a card and names it.
2. Place the cards face down on the desk. Each friend takes a card, names it, and says if it is a living or a non-living thing.
3. Place the cards face down on the desk. Each friend takes a card, names it, says if it is a living or a non-living thing, what it eats.
4. Create your own rules.











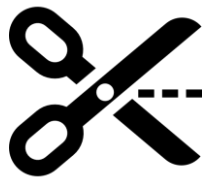


Unit 2

Let's play CAN YOU?
Ask your friends.
Create your own questions.

1. Can you drink with your nose?
2. Can you eat with your feet?
3. Can you hear with your skin?
4. Can you dance with your fingers?
5. Can you smile with your belly?
6. Can you feel with your hair?
7. Can you cry with your ears?
8. Can you shout with your eyes?
9. Create your own questions





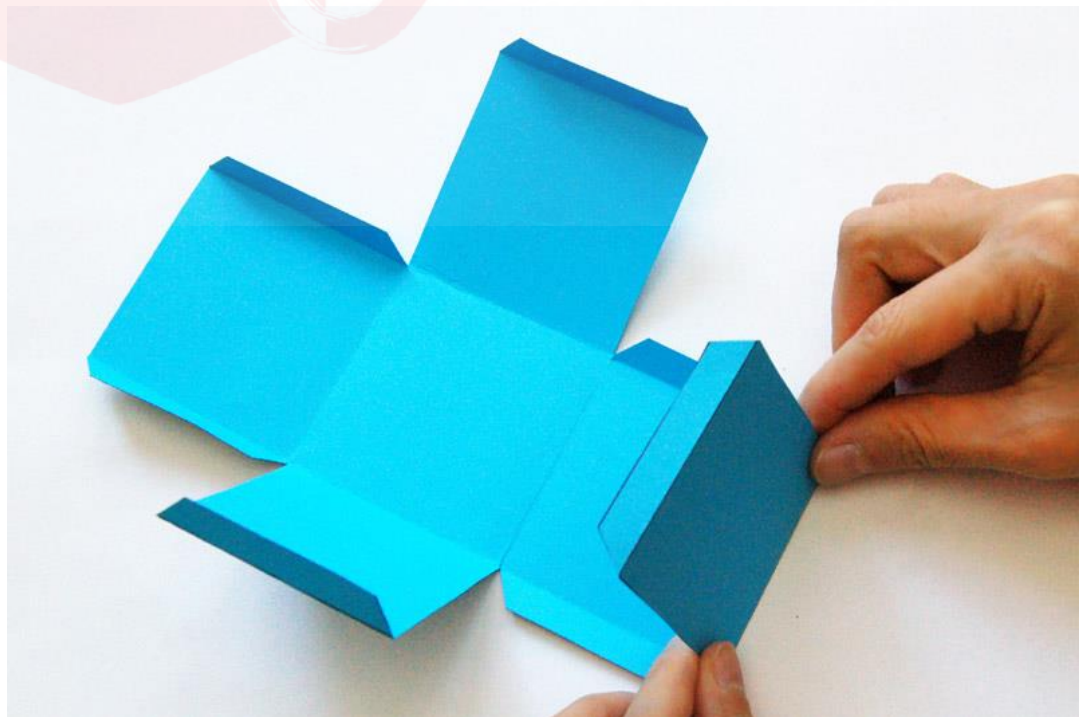
Cut out and glue. Play with the cubes. Roll the dice and name everything that you can see.

Make it fun!

ASK YOUR FRIENDS FUNNY QUESTIONS.

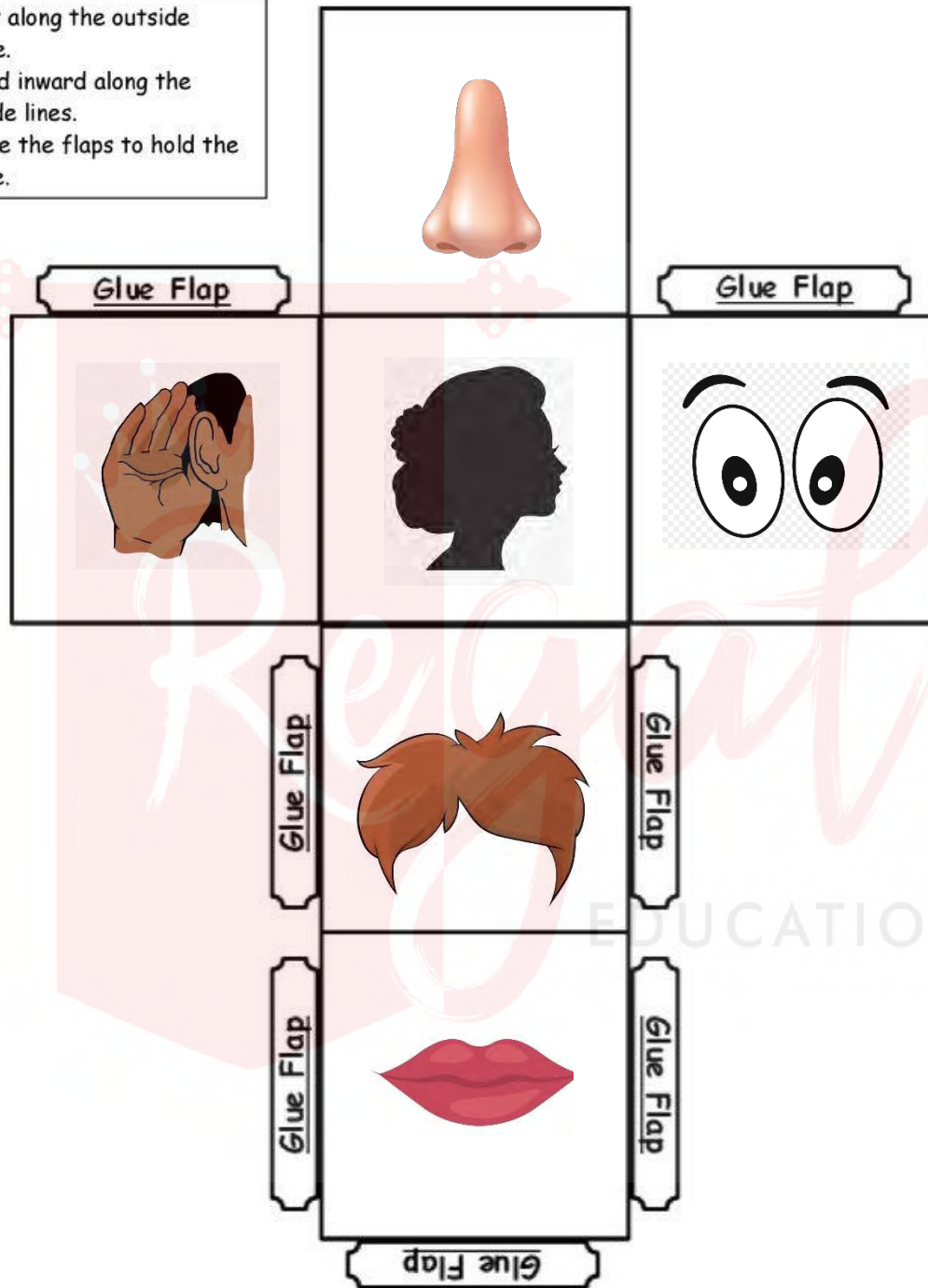
- ✓ *Can you drink with your nose?*
- ✓ *Can you eat without your mouth?*

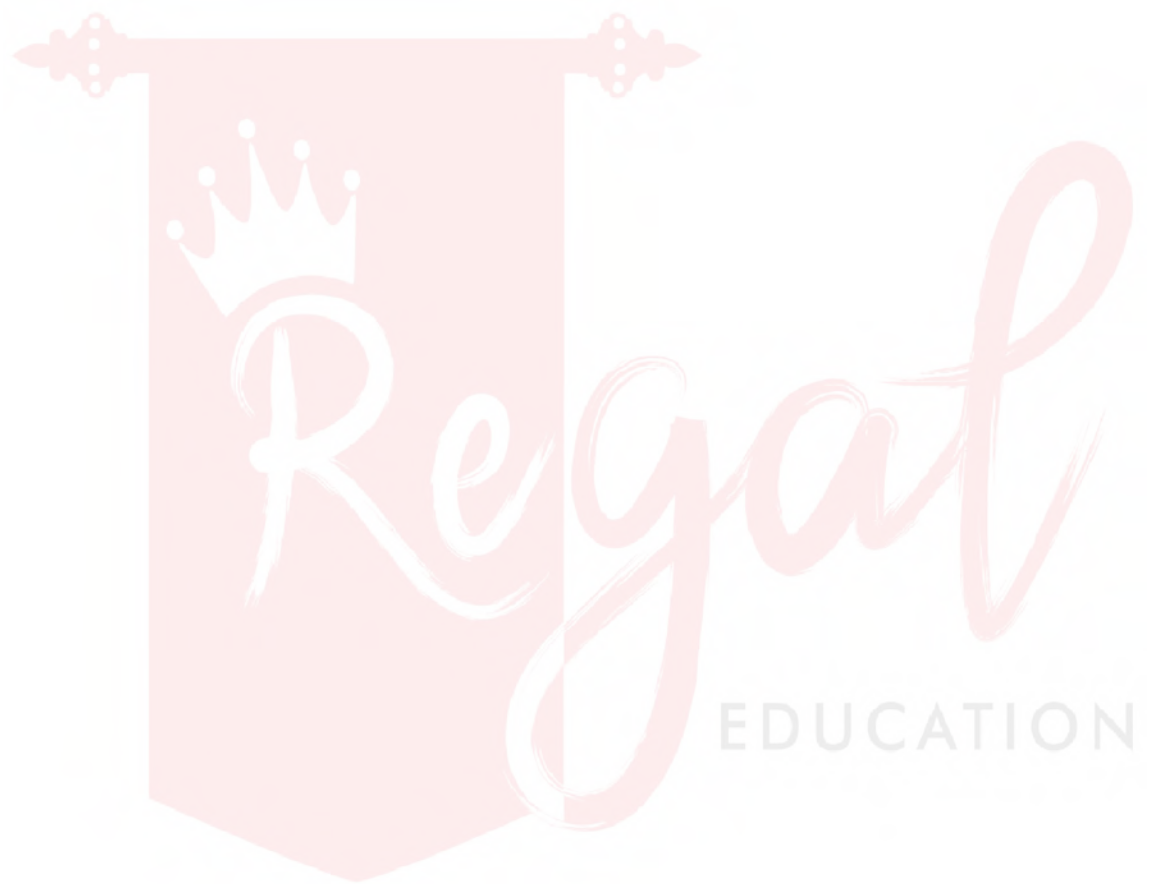
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Make a Paper Cube

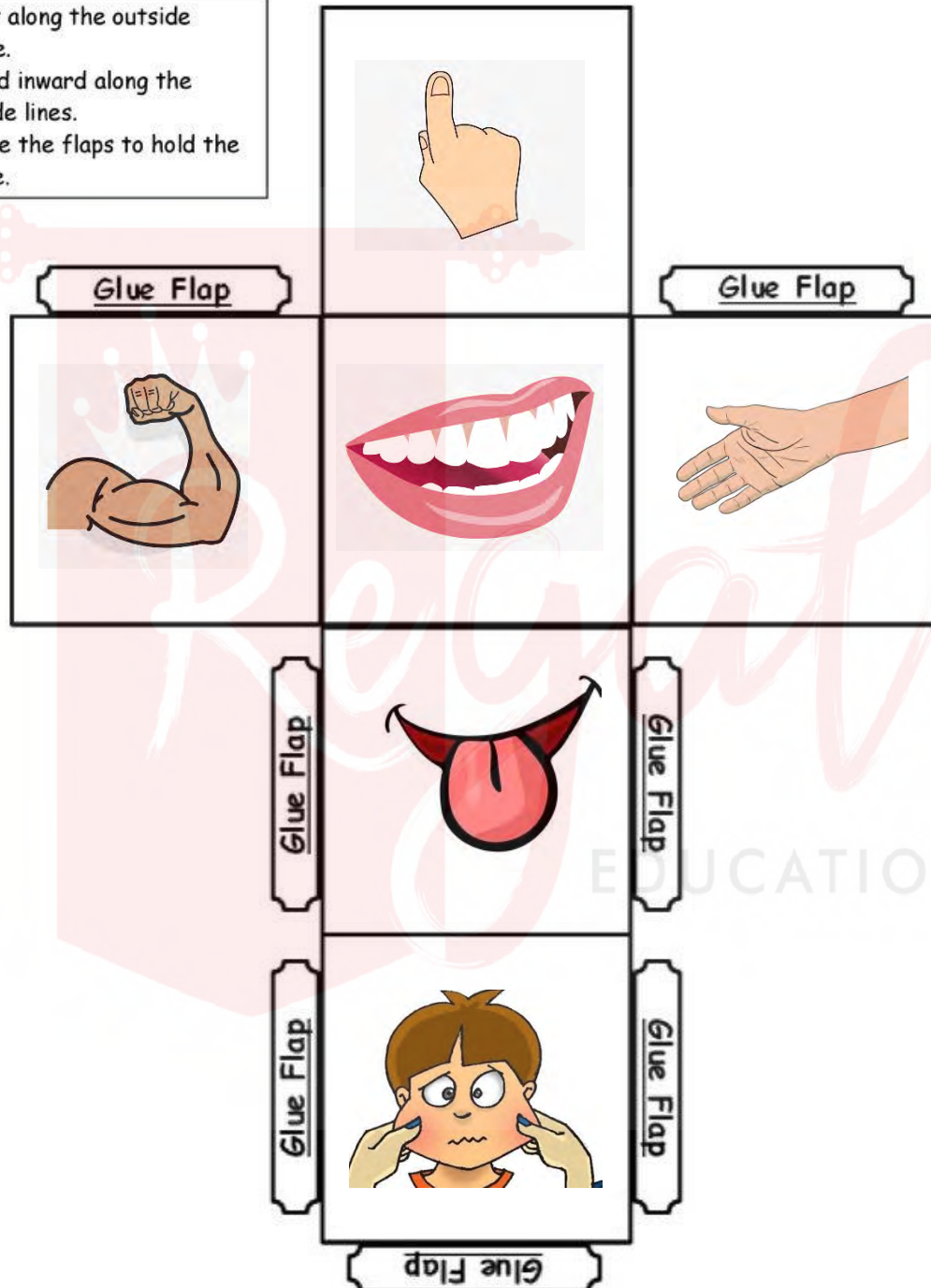
- Cut along the outside edge.
- Fold inward along the inside lines.
- Glue the flaps to hold the cube.

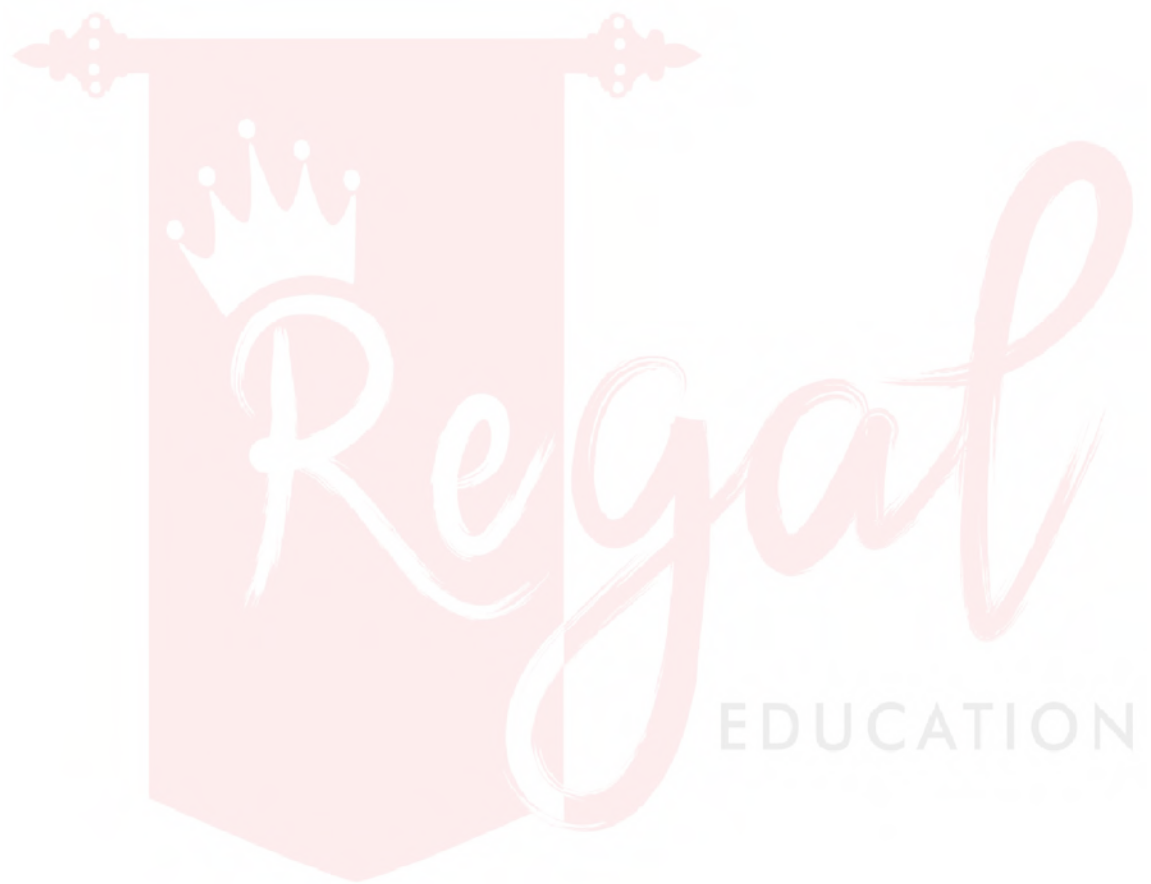




Make a Paper Cube

- Cut along the outside edge.
- Fold inward along the inside lines.
- Glue the flaps to hold the cube.

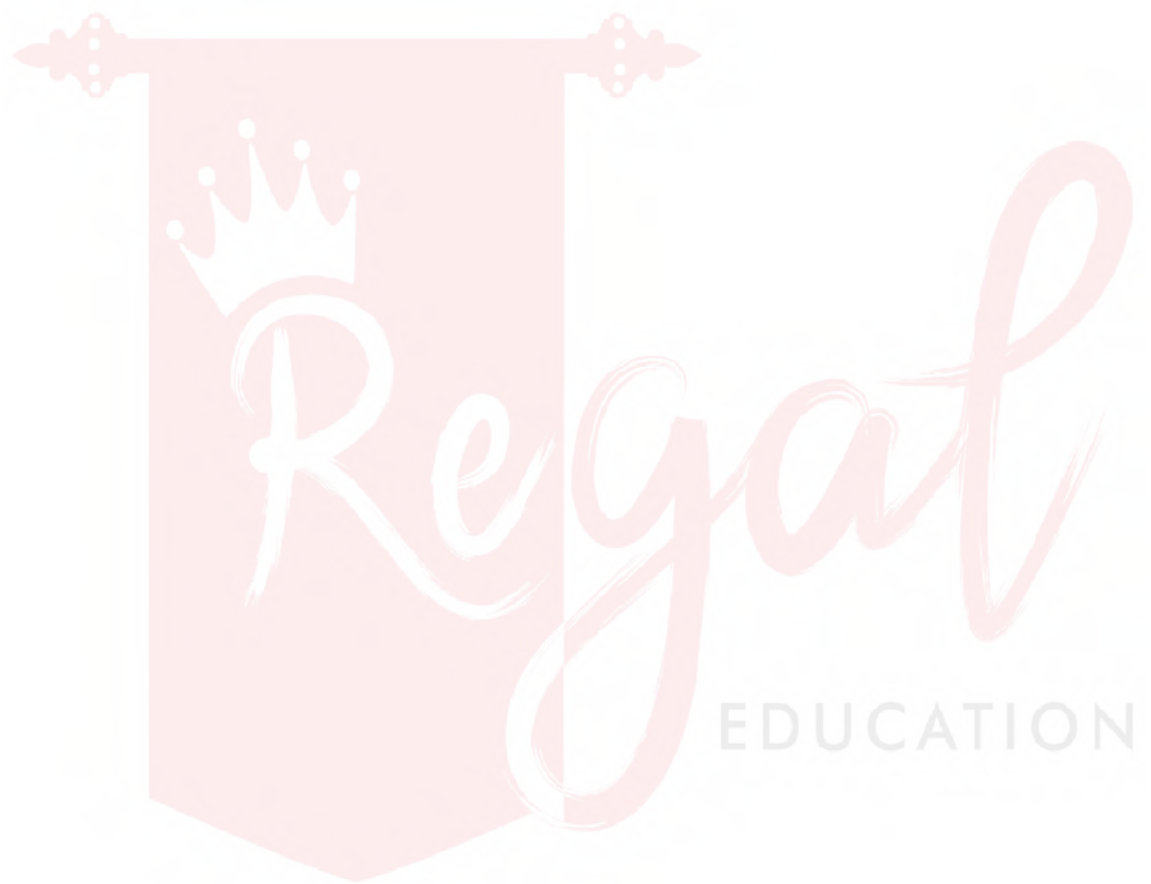




Make a Paper Cube

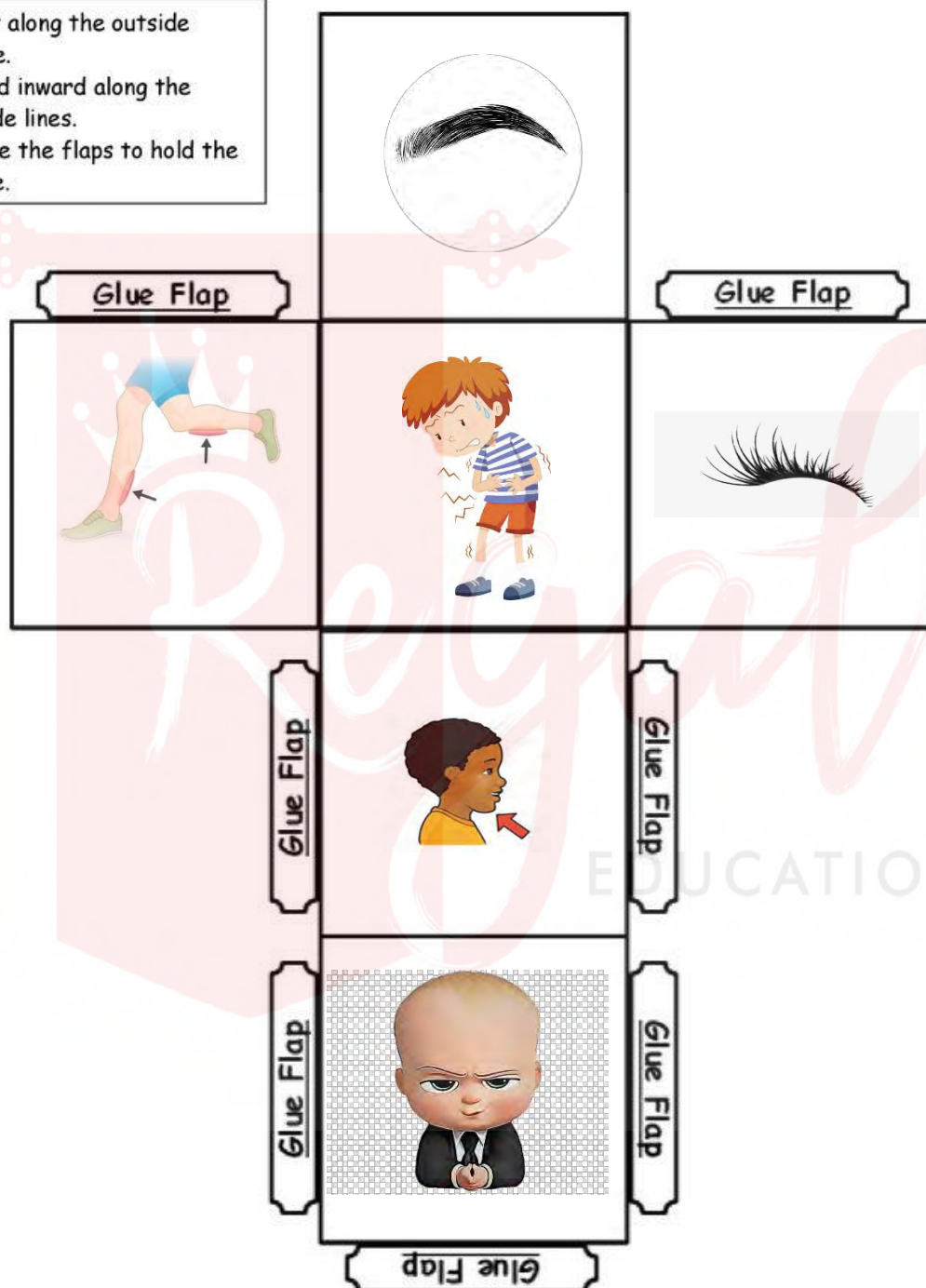
- Cut along the outside edge.
- Fold inward along the inside lines.
- Glue the flaps to hold the cube.

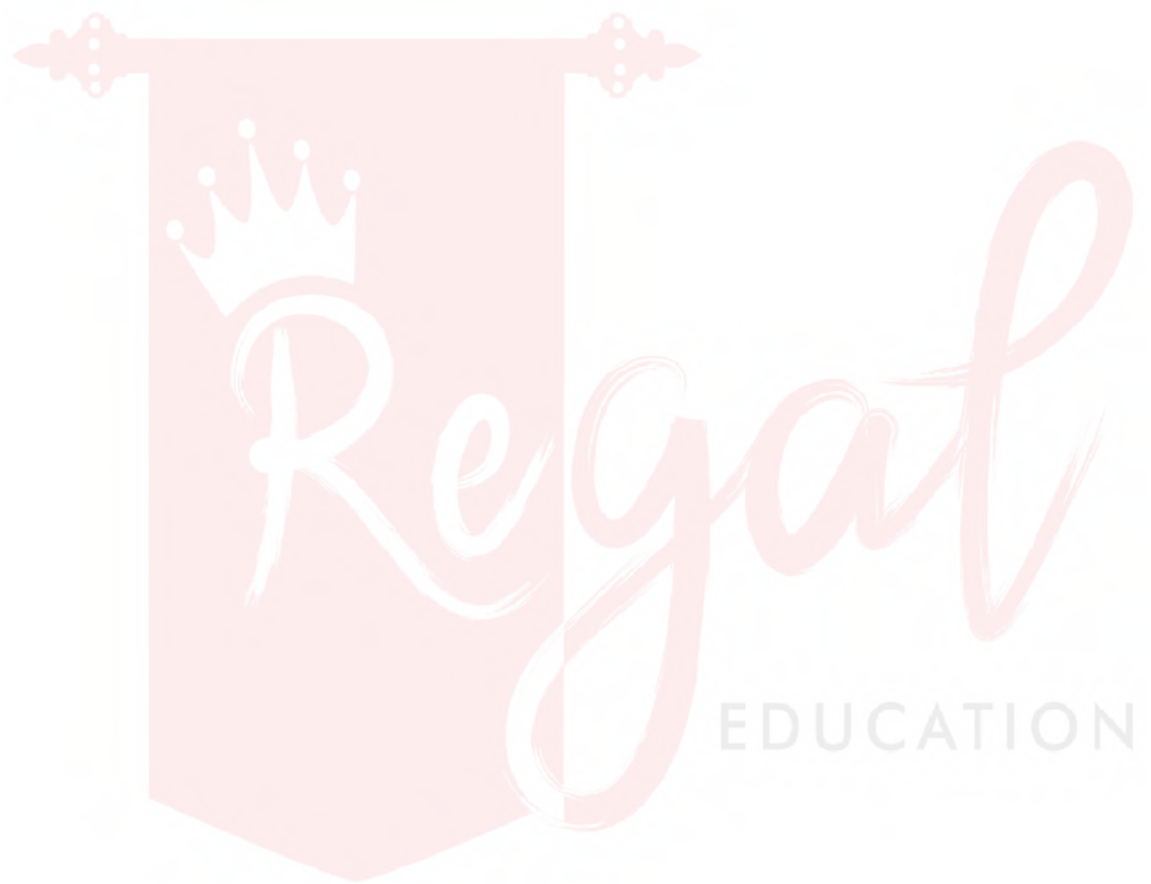




Make a Paper Cube

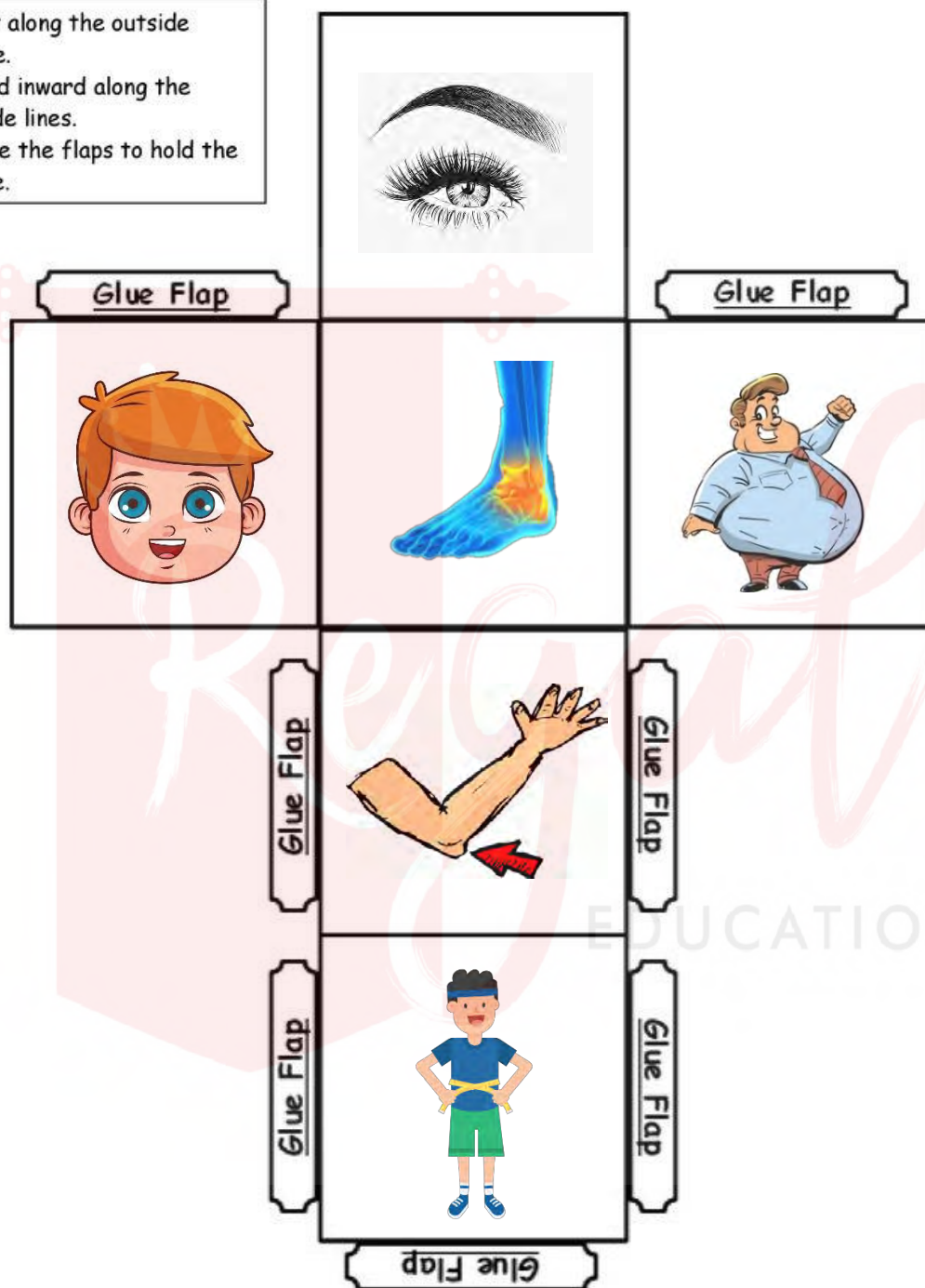
- Cut along the outside edge.
- Fold inward along the inside lines.
- Glue the flaps to hold the cube.





Make a Paper Cube

- Cut along the outside edge.
- Fold inward along the inside lines.
- Glue the flaps to hold the cube.





Unit 3

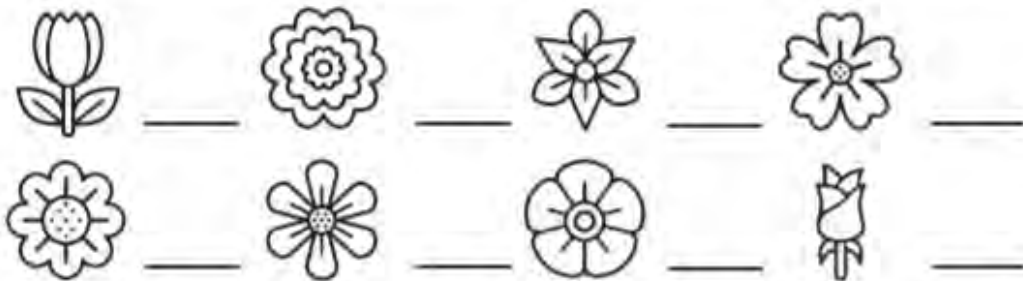
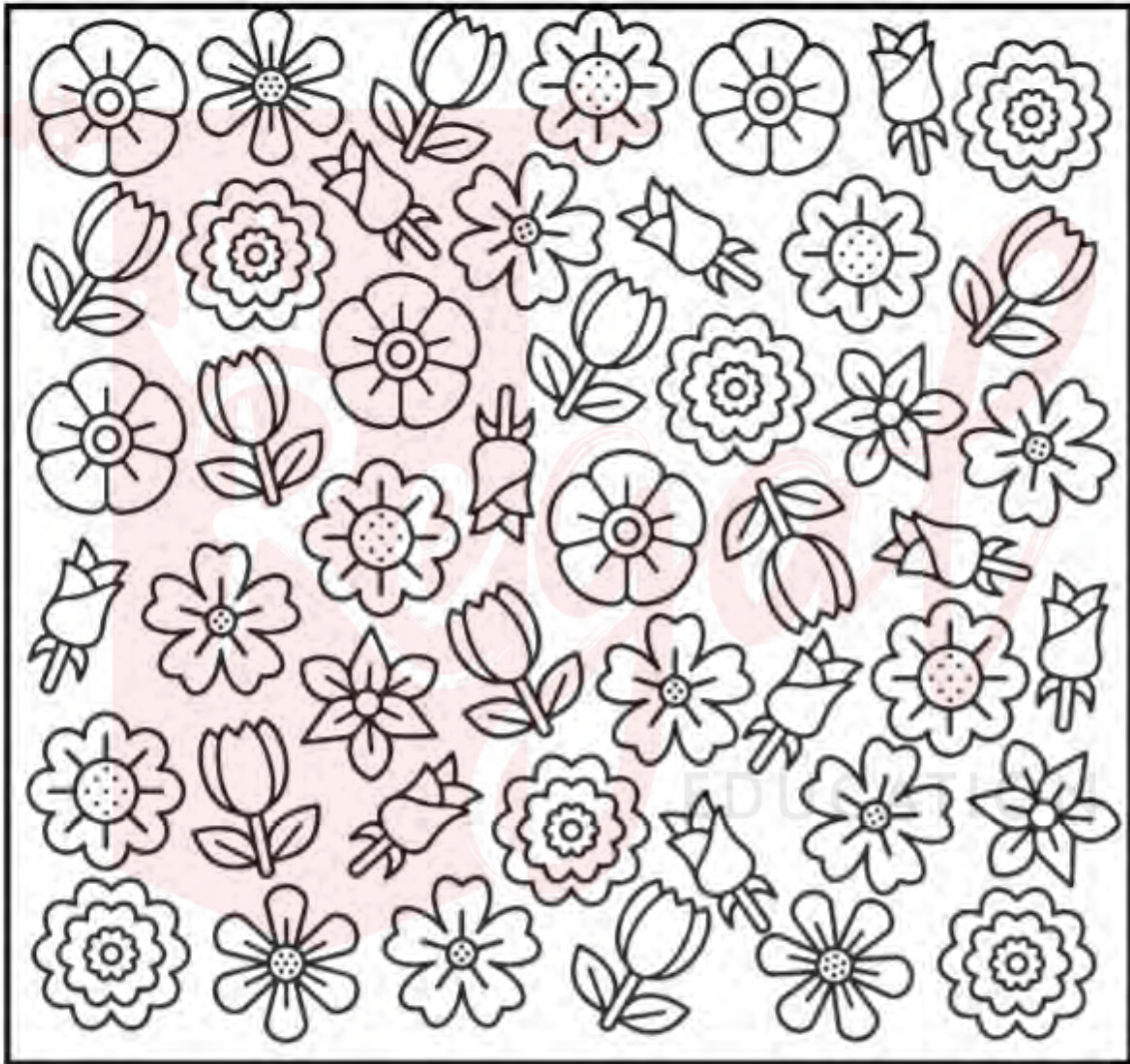
Can you find and count the flowers?

I SPY FLOWERS

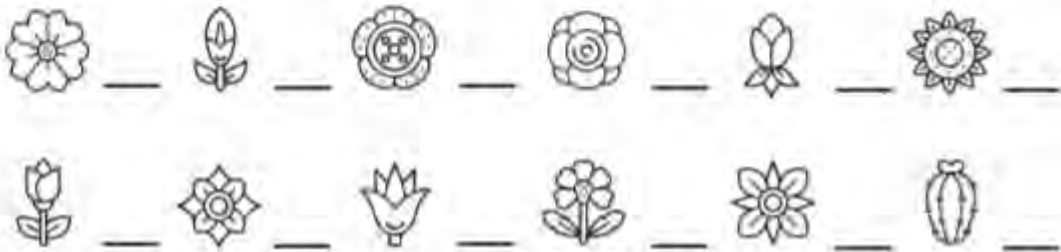
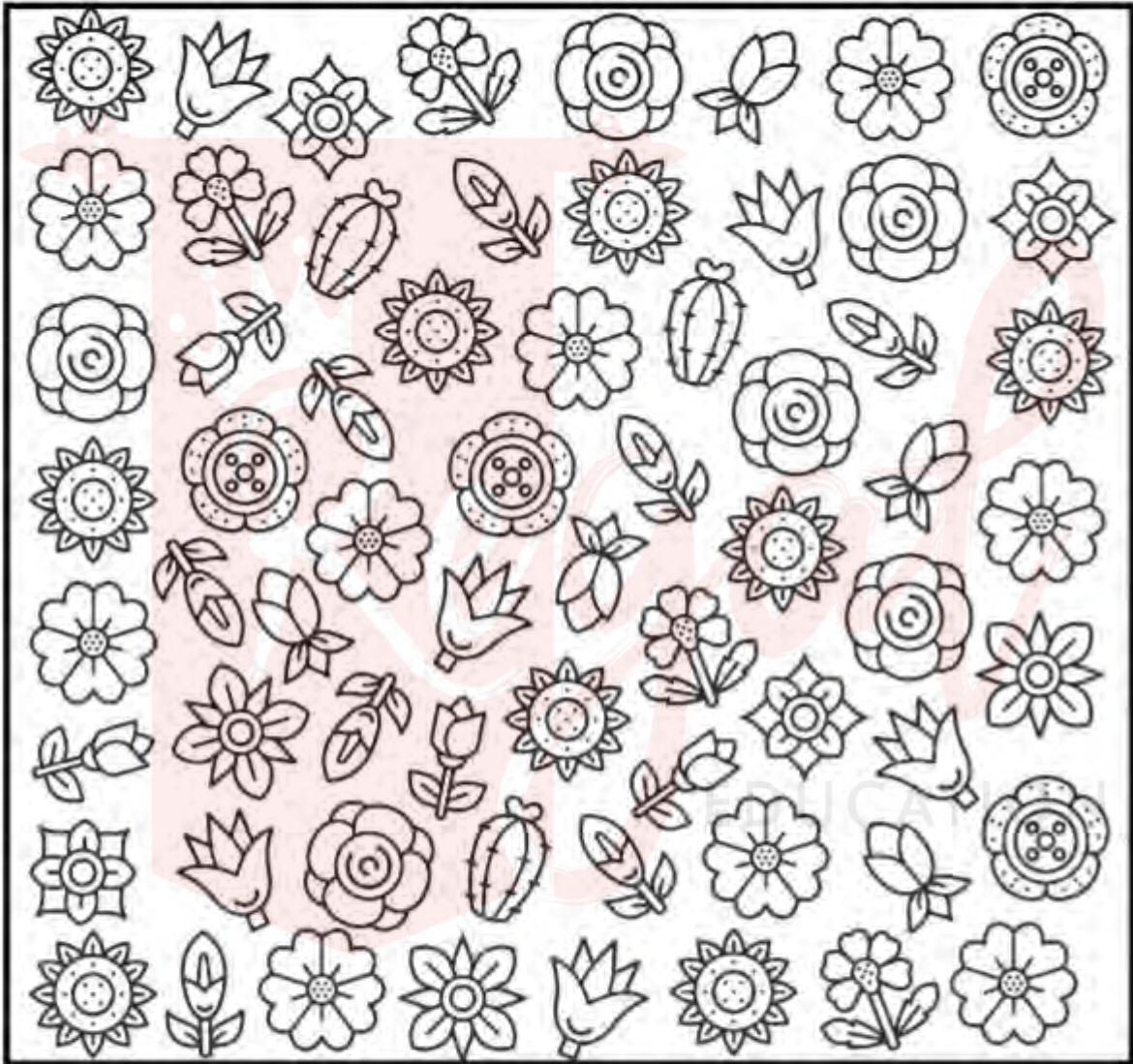




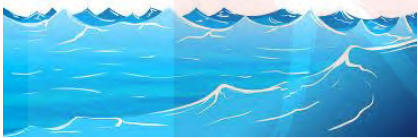
I SPY FLOWERS



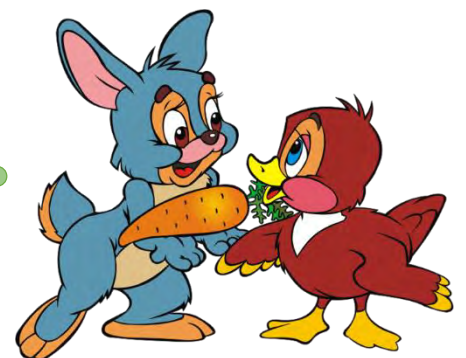
I SPY FLOWERS



Match each word with the right picture.

	◆ ◆	forest
	◆ ◆	jungle
	◆ ◆	desert
	◆ ◆	ocean

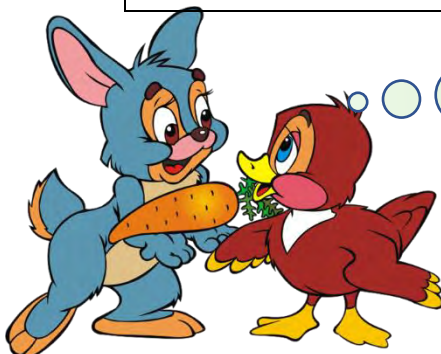
Where do we live?



Match each word with the right picture.

	◆ ◆	vegetables
	◆ ◆	flowers
	◆ ◆	grass
	◆ ◆	plants
	◆ ◆	trees

What do we eat?



Complete the sentences below.



Many snakes live in the
j__ngl__.



There are coral reefs in
the __c__ __n.



There are many trees
in a f__r__st.



Few plants can survive
in the d__s__rt.

Where do we live?



Complete the sentences with the correct words in the box.

forest

jungle

desert

ocean



Sharks live in the
_____.



Monkeys live in the
_____.



Camels live in the
_____.



Owls live in the
_____.

Complete the sentences below.



I gave Mum a bunch
of fl__w__rs on
Mother's Day.



The boy is under the
tr__ __.



Keep off the gr__ss.



Lily is eating
v__g__t__bl__s.



Steve is watering the
pl__nts.

Make your own sentences with these words.

Complete the sentences with the correct words in the box.

grass tree plants flowers
vegetables



Mrs. Lee is cutting
_____.



The baby is walking on
the _____
with bare feet.



Jane is smelling the
_____.



The man is cutting
down a

_____.

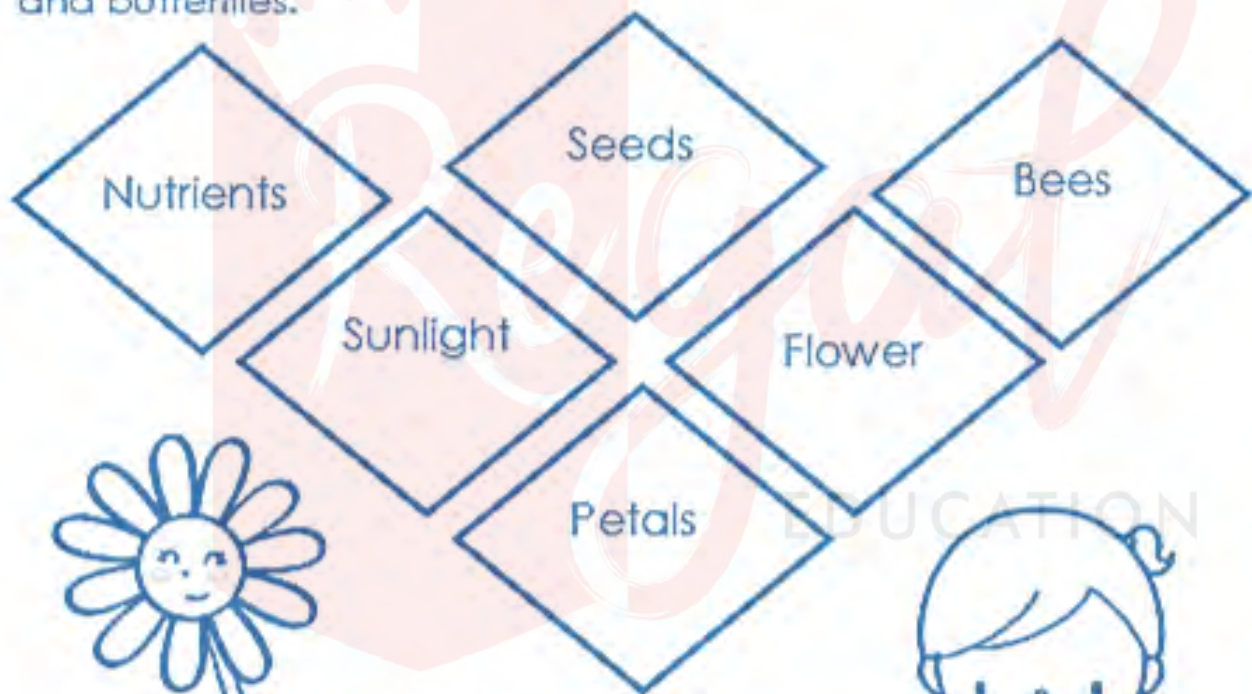


Uncle Tom is watering
his _____.

Can we be friends in
real life? Why?



Plants need _____, water and nutrients to grow properly. Plants are made up of different parts. The roots keep the plants steady and they absorb water. The stems carry the water and _____ from the roots to the leaves to the other parts of the flower. The leaves catch the light that the _____ needs. The flowers are pretty to look at and are important in making _____. The _____ attract insects, such as _____ and butterflies.

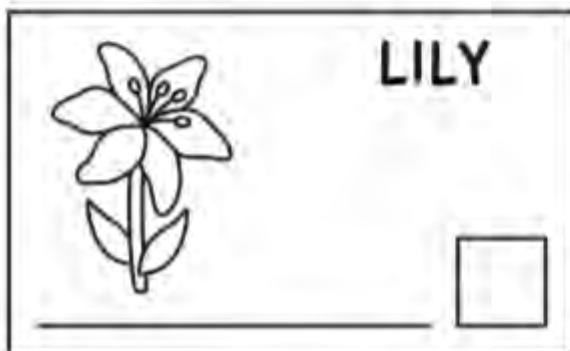
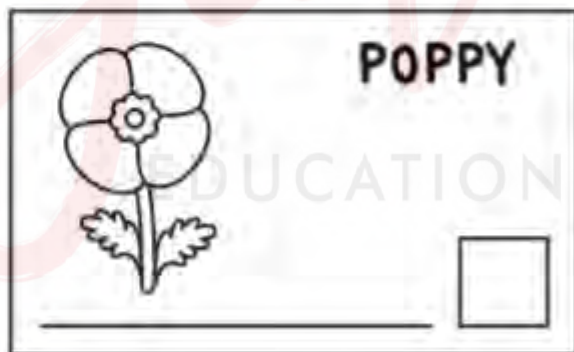
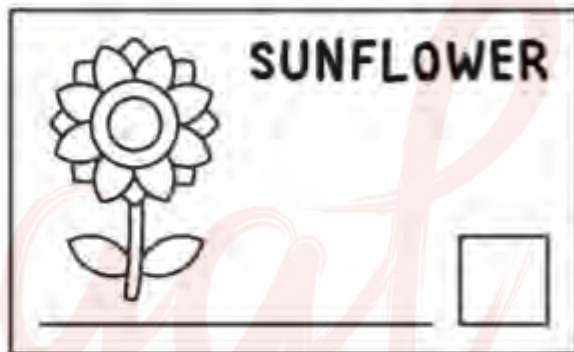
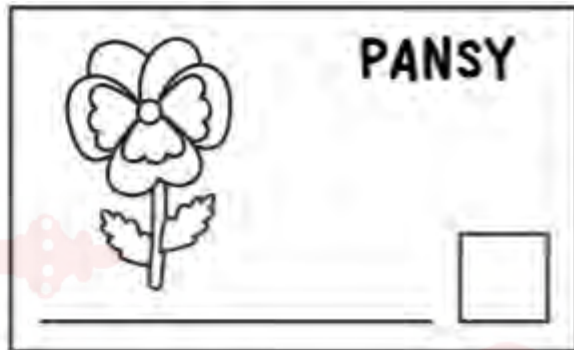
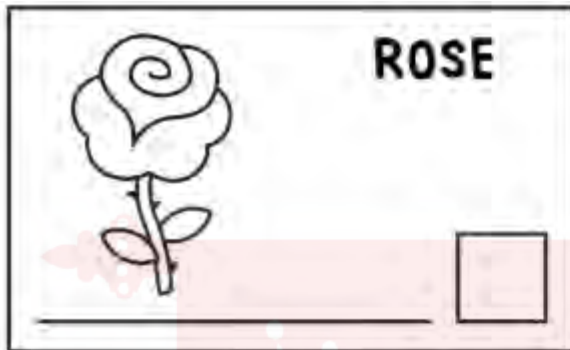


Are you up for a challenge? Fill in with missing words.

Do you know the names of the flowers
around you?

Fill in the table on the other page.
How many different flowers have you seen
in your city?





Unit

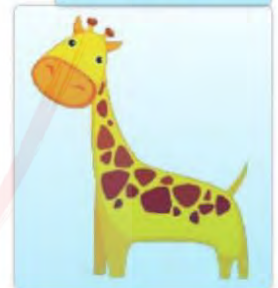
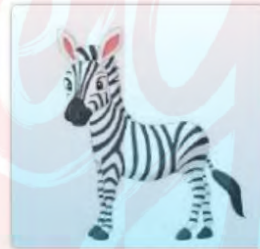
4

Circle the correct answer. Name the animal.

I eat insects.
I can jump.
I'm green.



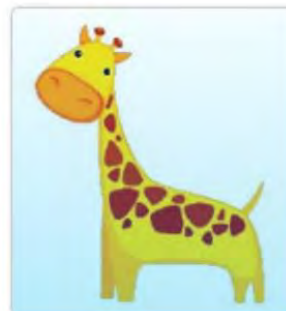
I live in Africa.
I'm very big!
I'm grey.
I stomp my feet.



I can jump.
I can climb the trees.
I like bananas!



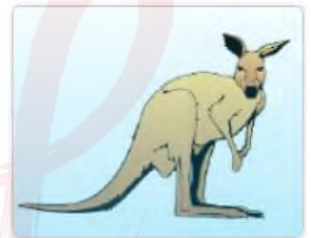
I can run very fast.
I've got a big mane.
I'm a king of animals.
I roar!



I have four legs.
I am a pet.
I don't like cats.
I say woof.



I'm very long.
I can't walk.
I don't have legs or arms.



I have four legs.
I live in Africa.
I am big and grey.
I live in the river.



Do you know all the animals
in the pictures? Where do
they live? What do they eat?
How do they move?



Read and choose the correct option.

1. A lion **CAN** **CAN'T** run fast.



2. A monkey **CAN** **CAN'T** jump.



3. A hippo **CAN** **CAN'T** fly.



4. An elephant **CAN** **CAN'T** swim.



5. A crocodile **CAN** **CAN'T** climb trees.



6. A parrot **CAN** **CAN'T** fly.



7. A bear **CAN** **CAN'T** run.



8. A snake **CAN** **CAN'T** climb.

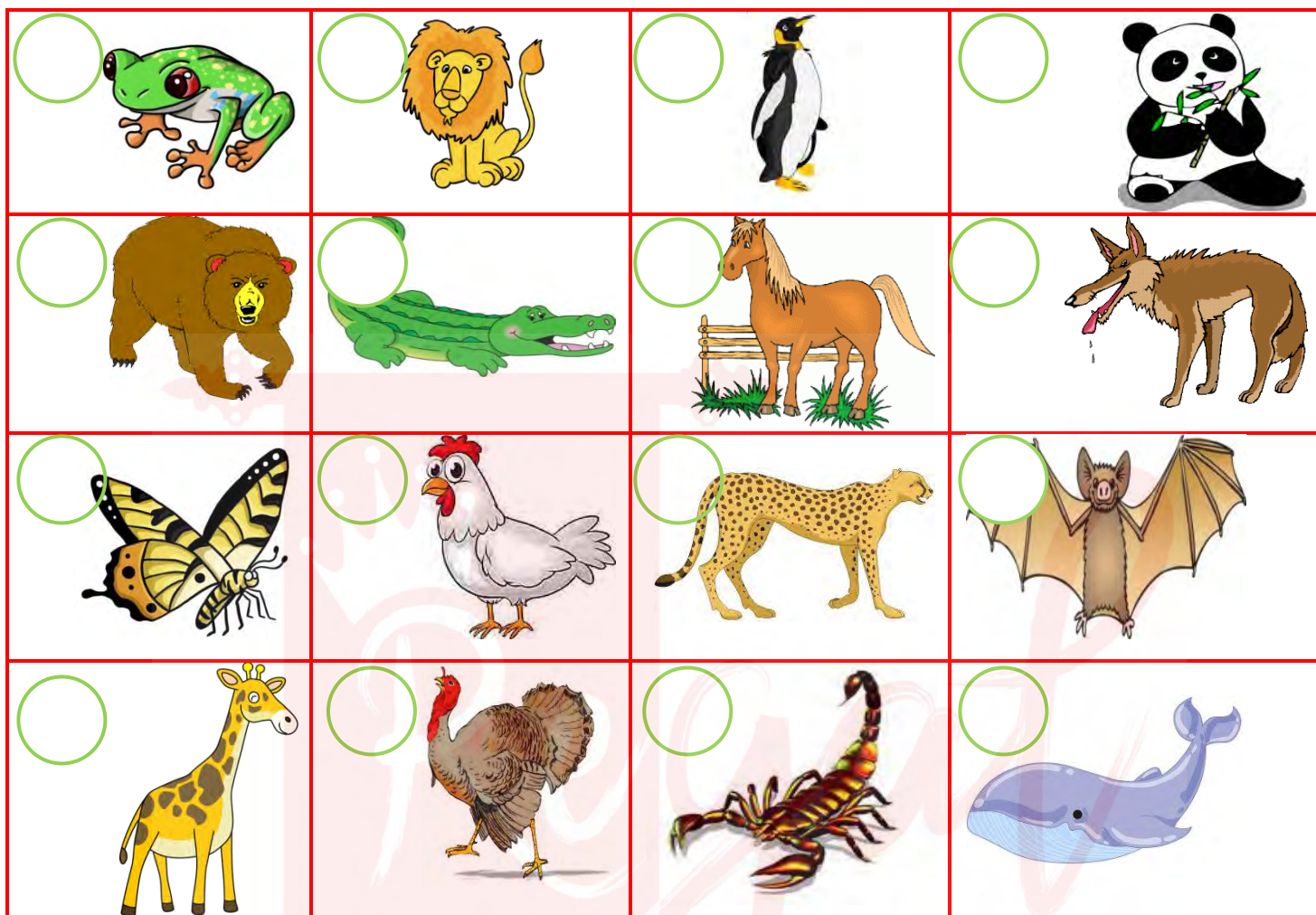


9. A rabbit **CAN** **CAN'T** jump.



Read the riddle, match the riddle with the correct animal and write its name.

A. I am a bird. I can't fly, but I can swim. I can walk too. I'm black and white. I like cold climate.	B. I'm a big animal. I'm brown. I live in the forest. I have a thick fur. I like fish and honey.	C. I'm a small bird. I can fly, but I don't fly very often. I am very useful because I give eggs.	D. I live in many places. I like dry climate. I'm very dangerous. I'm an insect.
E. I'm very big. I'm a mammal, but I live in the sea. I can swim and dive. I'm gray or blue or black and white.	F. I live in Africa. People say that I'm the king of the animals. I like meat.	G. I have a lot of big teeth. I'm very dangerous. I can swim and walk. Sometimes I like sunbathing. I eat other animals.	H. I'm not very big. I can fly. I like flying from flower to flower to drink the nectar. I'm very colorful.
I. I'm very big. I live in the forest in China. I eat bamboo. People love me.	J. I'm quite useful. People can ride me. I eat grass, but I also like carrots. I live on a farm.	K. I'm a big bird. I can't fly. People like me. They give me food so that they can eat me at Thanksgiving.	L. I'm brown or gray. I'm very similar to a dog. I am an important character in a well-known fairy tale.
M. I fly, but I'm not a bird. I am a mammal. I like eating fruits or insects. Sometimes I drink blood.	N. I'm a small animal. I can hop and swim and dive. I like eating worms and flies. I live in a lake.	O. I am the fastest runner in the savannah. I am a big cat and I like meat.	P. I live in the savannah. I'm quite big. I eat leaves. My long neck helps me find food.

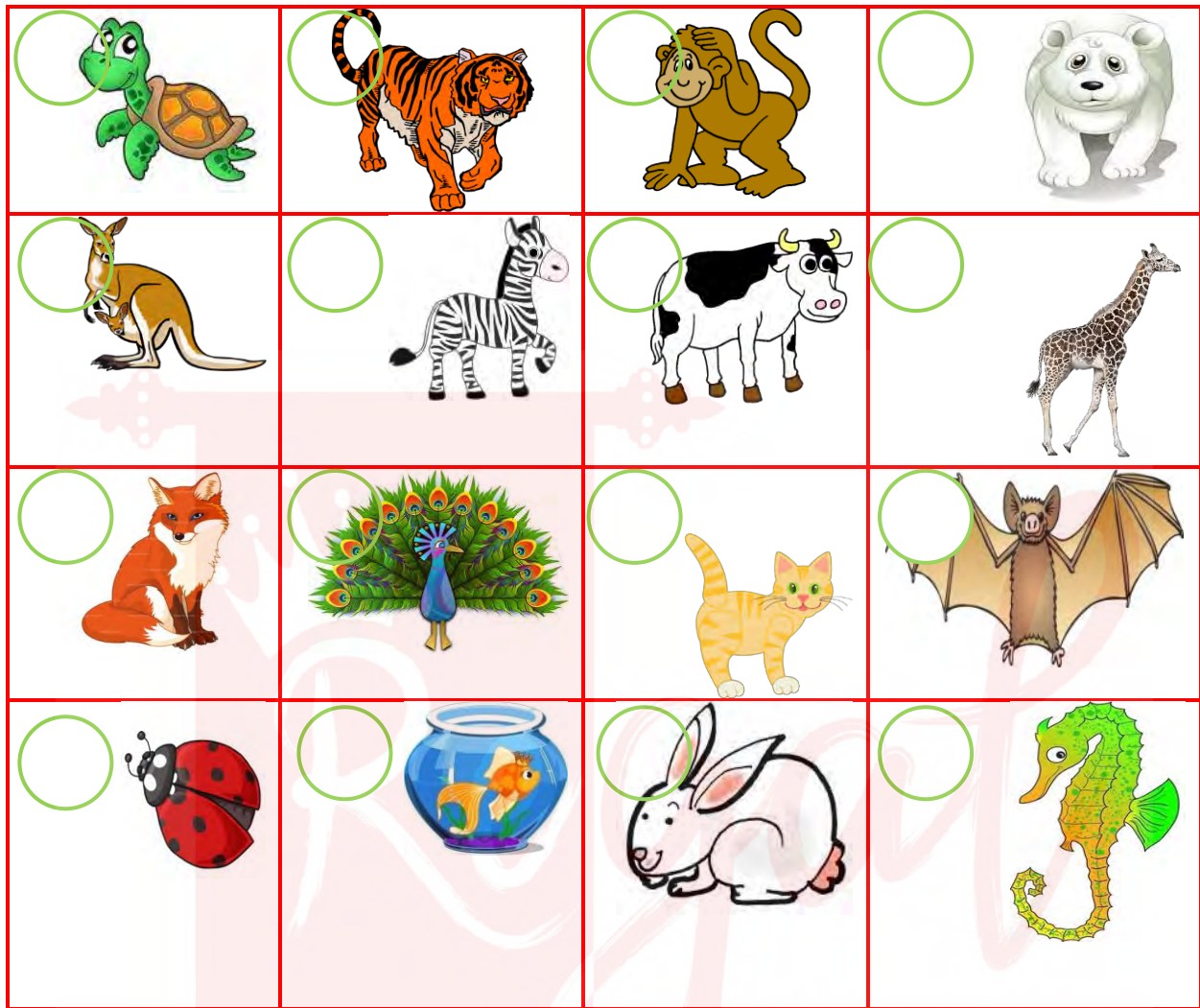


Was it difficult?
To play online,
scan the QR.



Make your own riddles and swap them with a friend who is going to find the answers.

1.	2.	3	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.



*Was it difficult?
To play online,
scan the QR.*



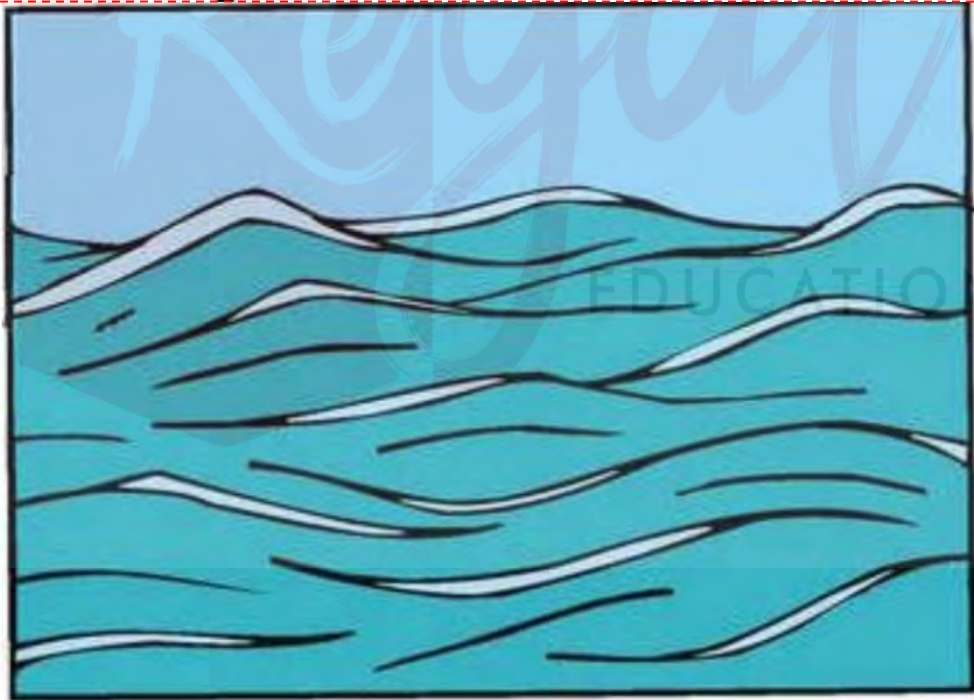
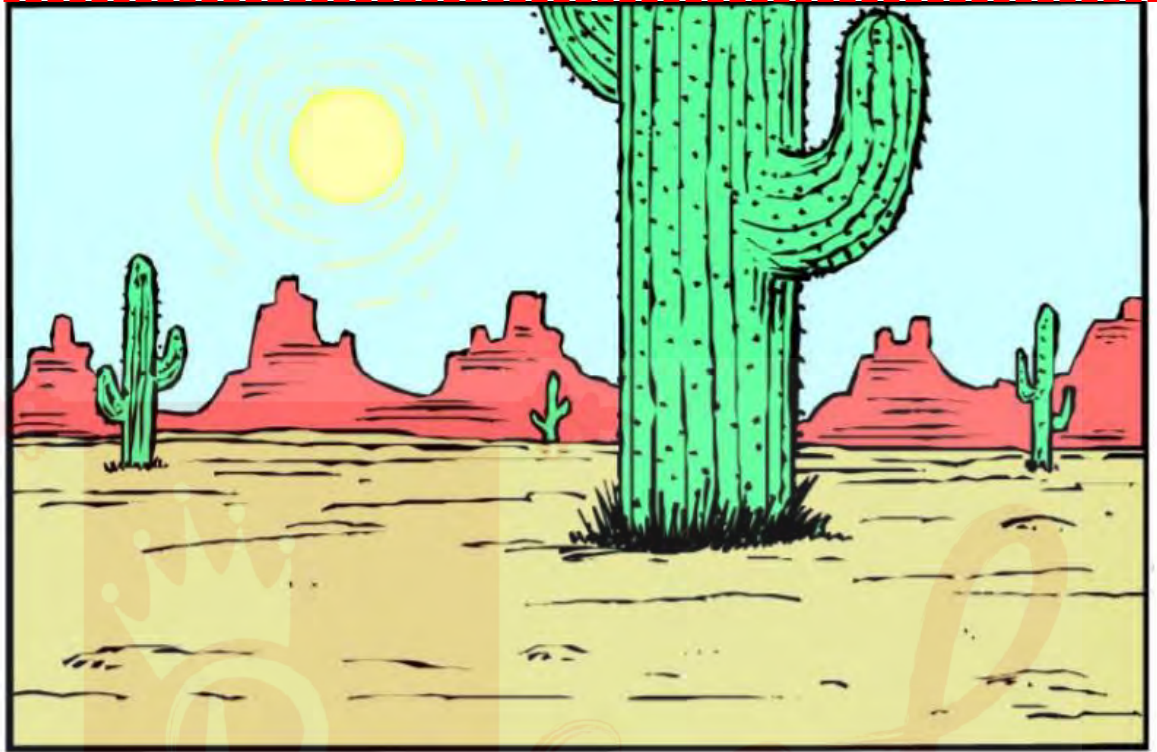
Unit 5

Cut out the flashcards. Play with your friends.

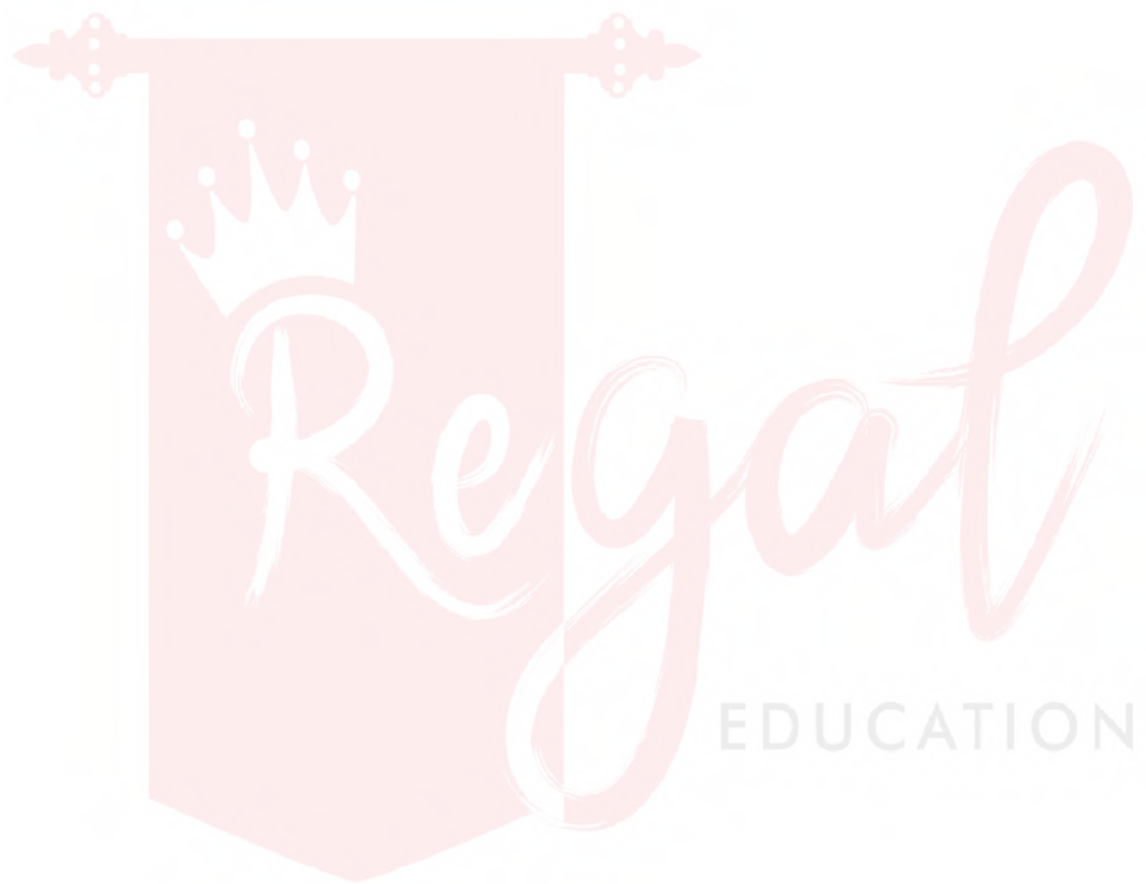
Ideas for the game.

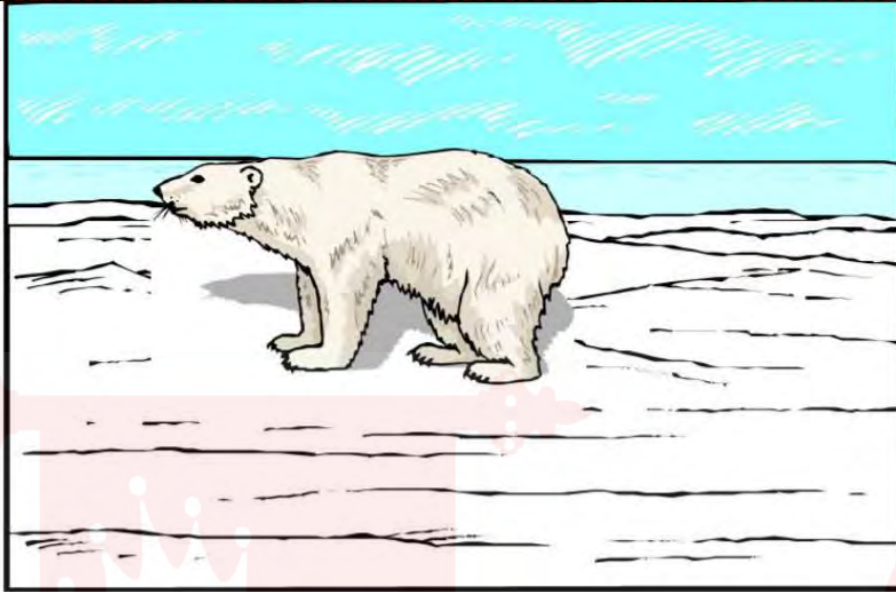
1. Place the cards face down on the desk. Each friend takes a card and names it.
2. Place the cards face down on the desk. Each friend takes a card, names it, and says what (s)he knows about that place.
3. Place the cards face down on the desk. Each friend takes a card. **DO NOT** name it. Each friend tries to describe it to other friends without naming it.
4. Place the cards face down on the desk. Each friend takes a card. **DO NOT** name it. Each friend asks questions about the place. Answer the questions. The one who guessed most words correctly, wins.





open ocean





tundra



forest





savanna
(grassland)



rainforest





deep sea

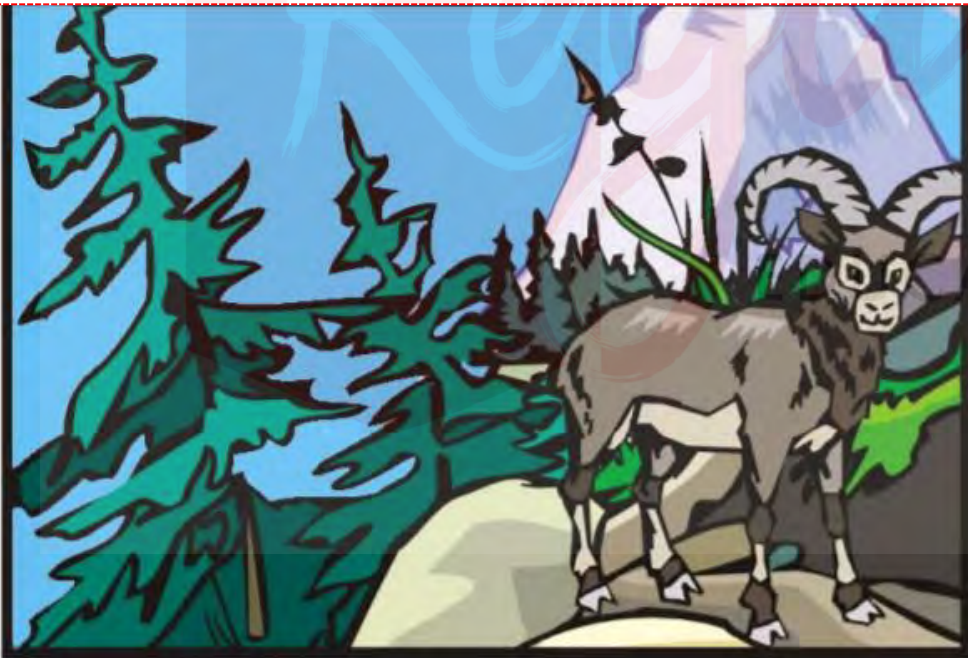


prairie
(grassland)





coral reef



alpine



Label the biomes below using word from the box.

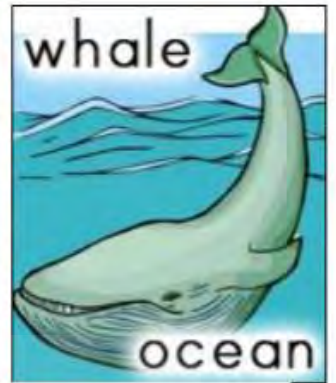
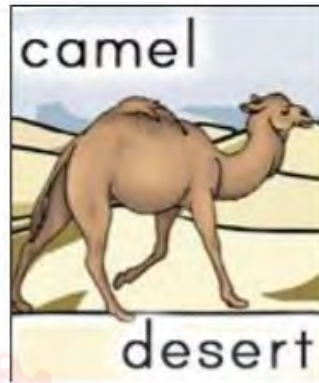
desert taiga	rainforest tundra	savanna wetland
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Read the description below and match it with a biome above:

- (1) Grassy land with some trees.
- (2) Very cold land in the north with no trees.
- (3) A cold forest in the north.
- (4) A very wet forest with a lot of rain.
- (5) Land with watery places like ponds.
- (6) A very dry place with very little rain.

How can you explain BIOMES in your own words?
Where do you live?



Where do bears live?

Bears live in the forest.

Work with friends. Write down the questions and answers them. The first has been done for you.



biome

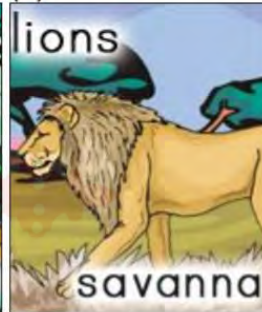


Number the biomes on the map of Africa.

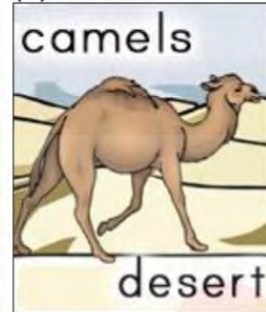
(1)



(2)



(3)



Write questions and answers about African animals. Follow the example below.

Where do gorillas live?

Gorillas live in the rainforest.

Work with friends. Write down the questions and answers them. The first has been done for you.



Unit 6

HOW GREEN ARE YOU?

Do the quiz and find out if you
behave in a proper way to save our planet.

1. Do you sort out glass, paper, plastic bottles
and cans?

- a ☐ Yes, always.
- b ☐ Sometimes.
- c ☐ Never.



2. Do you buy fair trade products or organic or
local food.

- a ☐ Yes, always.
- b ☐ Sometimes.
- c ☐ Never, it's too expensive.



3. Do you use your own shopping bags?

- a ☐ Yes, always.
- b ☐ Often.
- c ☐ Once in a while.



4. Do you recycle light bulbs and used batteries?

a ☐ Yes, always.

b ☐ Sometimes.

c ☐ Never.



5. Do you always dispose of garbage in a proper way?

a ☐ Yes, always of course.

b ☐ Most of the times.

c ☐ Sometimes, I don't pay attention!



6. Do you bother picking up other people's litter?

a ☐ Yes, always. b ☐ Sometimes.

c ☐ Never.

7. Do you switch off the lights when you leave a room?

a ☐ Yes, always.

b ☐ Sometimes.

c ☐ Never.



8. Do you switch off electric appliances at night? (TV, computer)

a ☐ Yes, always.

b ☐ Sometimes.

c ☐ Never.



9. Do you put on warmer clothes when it's cold instead of putting on the heating?

- a ☐ Yes, always.
- b ☐ Sometimes.
- c ☐ Never, I prefer putting the heating on more.



10. Do you have showers instead of baths?

- a ☐ Yes, always.
- b ☐ Often.
- c ☐ Never.

11. Do you close the tap while you brush your teeth?

- a ☐ Yes, always.
- b ☐ Sometimes.
- c ☐ Never, I never think about it.



12. Do you leave the fridge door open when you do the cooking?

- a ☐ No, never. I always close it.
- b ☐ Sometimes.
- c ☐ Yes, it often happens.

13. Do you use public transport or a bike or walk when possible?

- a ☐ Yes, always.
- b ☐ Sometimes.
- c ☐ Never.



14. Do you have and use a composter at home?

a ☐ Yes. (2 pts)

b ☐ No. (0 pt.)



RESULTS

Check the number of points you have and see if you are GREEN!

A → 2 points

B → 1 point

C → 0 point (except question n°14)

From 22 to 28

Congratulations, you are making good efforts to save our planet. Keep up the good work!

From 13 to 21

Well, you should do better, the environment is not really your priority, but you can improve, can't you!

Below 12

No, no, no !! That's not possible, you should definitely do a lot more to leave an acceptable environment to your children and grandchildren!

What's your result? How green are you?



Label the pictures with the expressions from the box.

land pollution / water pollution / air pollution / noise

TYPES OF
POLLUTION



Think about your city. What type
of pollution is the biggest
problem in your city and
country?



Read text 1 and text 2 and find out the causes and the effects of each type of pollution.

TEXT 1

Because factories release fumes, the air people breathe gets polluted. Other well-known effects of fumes are smog, acid rain and holes in the ozone layer.

TEXT 2

Living in noisy overcrowded towns has become dangerous **because** everyday exposure to noise can cause headache, earaches and may lead to deafness.

Draw the causes and the effect of pollution as described in the texts.

Text 1

Text 2

TEXT 3

Toxic substances found in the food we eat and the air we breathe accumulate in our bodies and **result in** poor health like weakness, pains, aches, disease and sickness.

TEXT 4

Paints, solvents, glues can catch fire and **result in** burns, skin rashes or risky chemical reactions.

What does contaminated food cause?

.....

.....

What does polluted air cause?

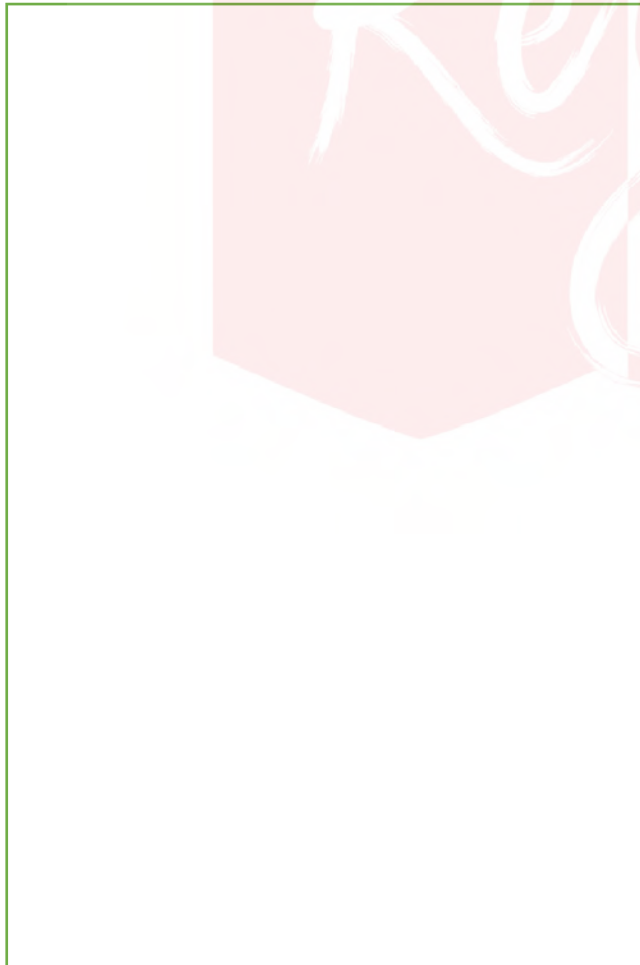
.....

.....

Draw your answers.

Text 3

Text 4



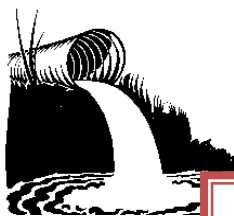
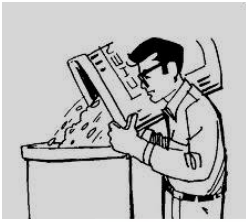
What are the effects of pollution on the environment and on the people?

Look at the labeled pictures and complete the table:

					
headache	hole in the ozone layer	smog	disease / sickness	chemical reaction	skin rash
					
burns	breathing problem	acid rain	stomachache	deafness	weakness

Effects of pollution on people	Effects of pollution on the environment

WATER POLLUTION



MATCH the picture with the cause of water pollution. Color the pictures.

WASTEWATER

PLASTIC

FERTILIZER

CHEMICALS

PESTICIDES

RADIOACTIVE WASTES

SHIPS

MARINE DUMPING

OIL POLLUTION

SEWAGE

INDUSTRIES

SANITARY WASTES

FACTORIES



Draw a poster.
Explain how you can
prevent water pollution.



How to prevent pollution?

Draw the way to prevent pollution in each square and match with the phrase. Color.

- ✓ **Throw trash in the proper places.**
- ✓ **Reuse bags and containers.**
- ✓ **Choose paper over plastic.**
 - ✓ **Eat organic food.**
- ✓ **Don't buy products in aerosol spray cans.**
- ✓ **Reduce, reuse, and recycle.**
- ✓ **Use non-toxic cleaning materials.**
- ✓ **Use energy-saving lightbulbs.**
 - ✓ **Plant more trees.**
- ✓ **Keep the volume of your TV, music low.**
- ✓ **Avoid burning trash.**
 - ✓ **Don't smoke.**
- ✓ **Buy biodegradable products.**
- ✓ **Try using natural fertilizers.**

Draw a poster.

Your poster should show how you can prevent pollution in your city.



Unit 7

What do you know about the
Sun, the Moon and the Earth?

Write it
down.







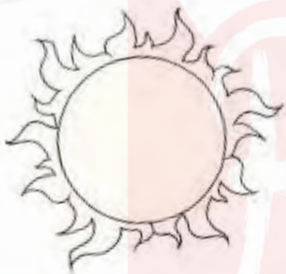
EDUCATION



Work with your friends. Use the Internet. Find the Information to fill in the blanks.

The Sun

Distance from the Earth:



Is the _____ of
the Universe.

The surface
temperature is about
_____.

Fun Facts:

The Moon

Distance from the Earth:



Is a natural
satellite of
planet _____.

The surface
temperature is about
_____.

Fun Facts:

Earth

Distance from the Earth:



Is the _____
planet of the sun.

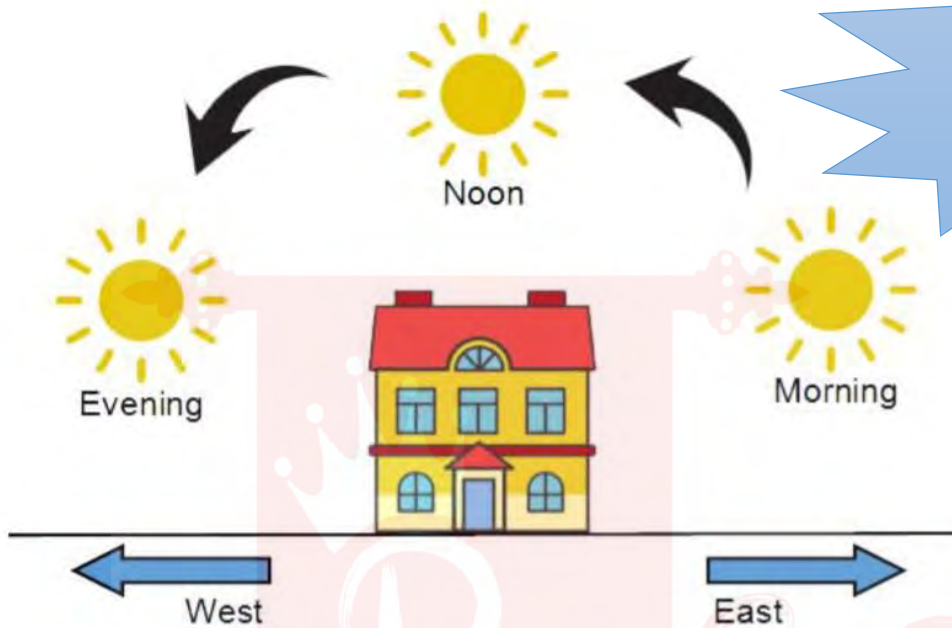
The surface
tempature is about

_____.

Fun Facts:

Complete the sentences.

*As the earth spins, the sun
seems to move across the sky.*



Compare your
answers.

Every _____, the sun rises in the east.

By the _____, the sun is high in the sky.

In the _____, the sun sets in the west.

At night, we cannot see the _____.

We see the _____ instead.

Work with your
friends, teachers, or
parents.

Fill in the blanks.

moon

month

light

star

hours

planet

year

sun

Compare your
answers.

Work with your
friends, teachers or
parents.

The sun is a _____.
It puts out heat and _____.



The earth is a _____. It spins
around, or revolves, once every
24 _____.



The earth goes around the _____
in about one _____.

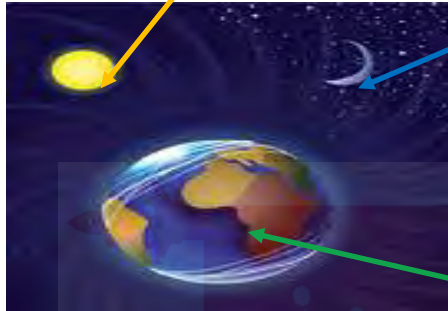
The _____ goes around the earth
in about one _____.



How many times have you traveled with the earth around
the sun?

Let`s revise.

Label the picture.



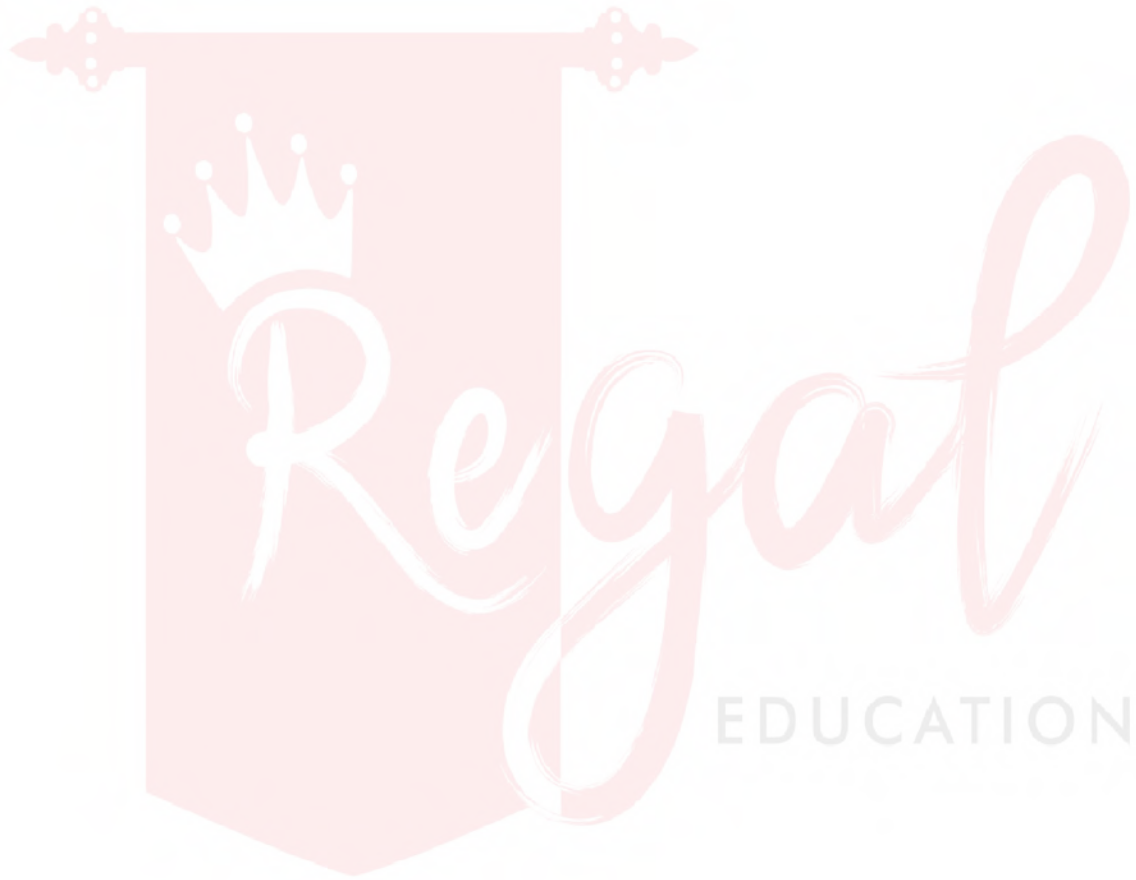
Complete the sentences.

1. The Sun is a
2. The Earth is a
3. The Moon is a
4. The Earth goes round the
5. The Moon goes round the
6. There are planets.
7. Planets go round The
8. The Sun is made of
9. The Moon is made of
10. We live on



Use the Net
to check
your
answers.

Imagine that you are traveling to the Space. Draw what you can see from your Spaceship.



Unit 8

Match the weather and the word.



Sunny

Rainy

Cloudy

Windy

Snowy



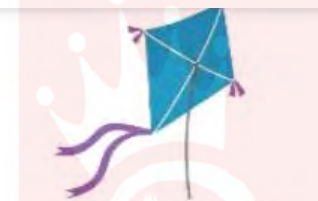


Write the word to describe
the weather.





Match the weather
and the word.



Sunny



Rainy



Cloudy



Windy



Snowy

Rainy



Sunny



Cloudy

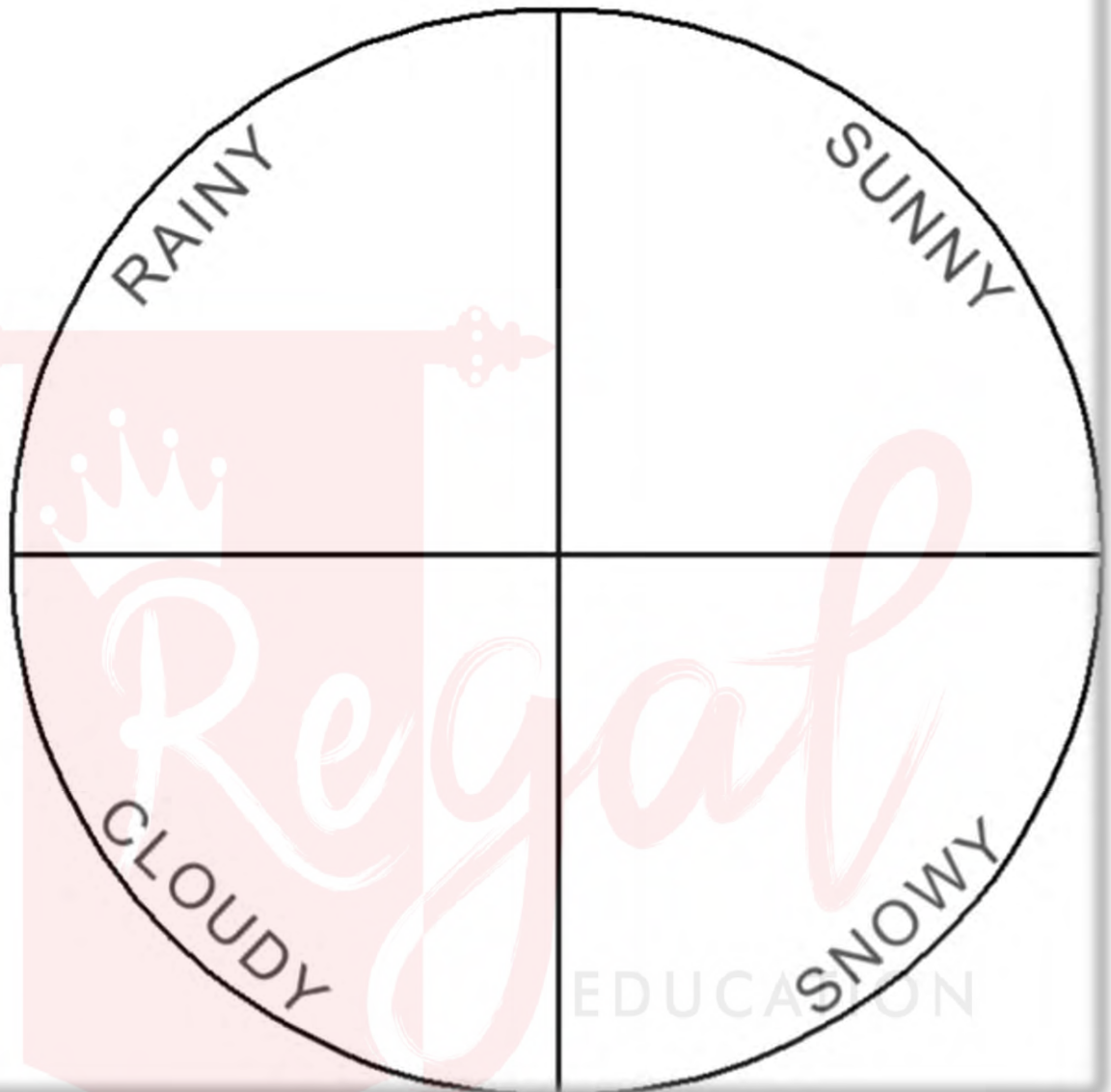


Snowy



Draw the weather.

Draw a picture for each type of weather.



Draw a picture predicting what the weather will be like in 6 months.



Draw a picture showing what the weather is like today.



Match the seasons to the pictures.



Summer



Spring



Winter



Fall





F



S



W



S

Write down the name of
each season.





Write down the name of
each season.

Draw lines to match the months to their seasons.

January

February

March

April

May

June

July

August

September

October

November

December



Winter



Spring



Summer



Fall



Up for a challenge?

Match the severe weather to the pictures.



Tsunami



Thunderstorm



Tornado

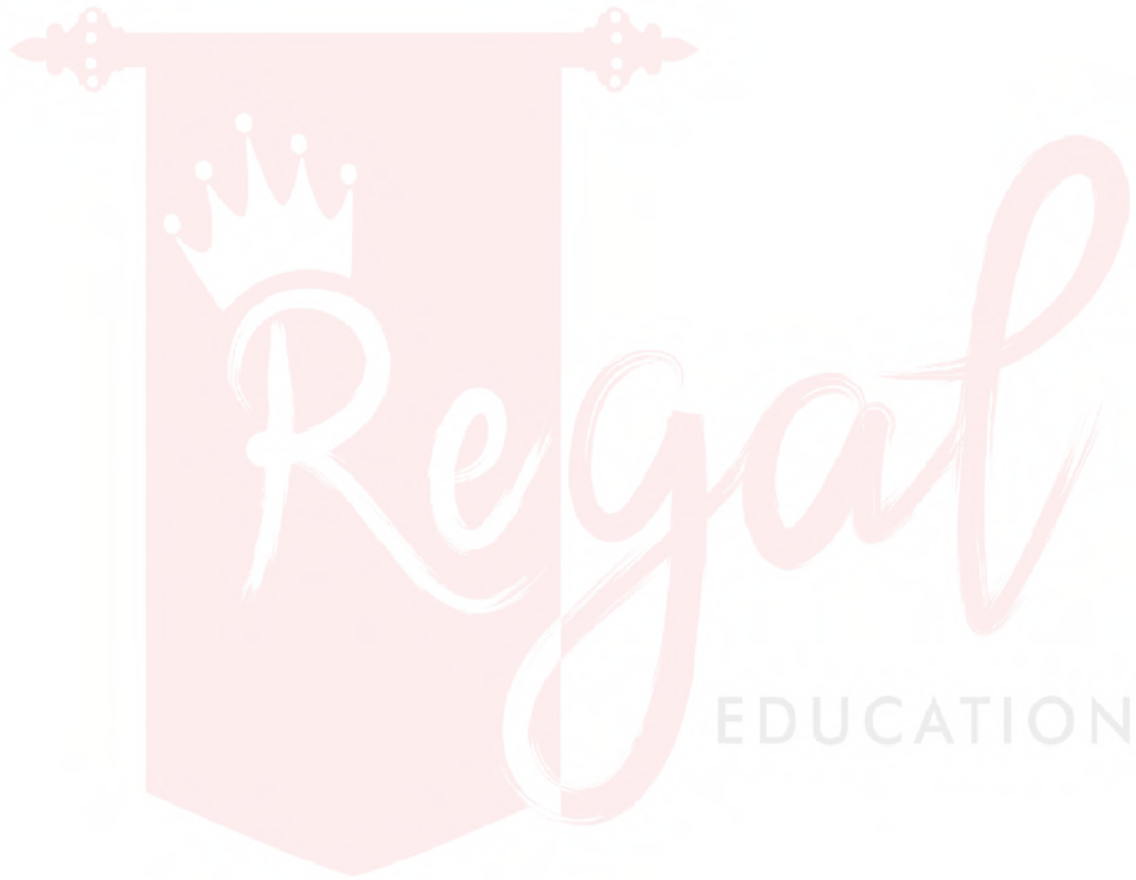


Hurricane



Up for a challenge?

Does your country have all 4 seasons?
What is typical weather for each season like?
Draw and sign each season and weather.



Unit 9

Scan the QR codes to do the tasks online.



Science activity

Samantha is playing with a ball. Color in the pictures where she is making the ball move fast.



kicking



bouncing



holding



throwing



sitting

MAY THE FORCE
BE WITH YOU



	push	pull
	push	pull
	push	pull
	push	pull
	push	pull
	push	pull

Circle the correct answer.

WELL DONE



	push	pull
	push	pull
	push	pull
	push	pull
	push	pull
	push	pull

Circle the correct answer.





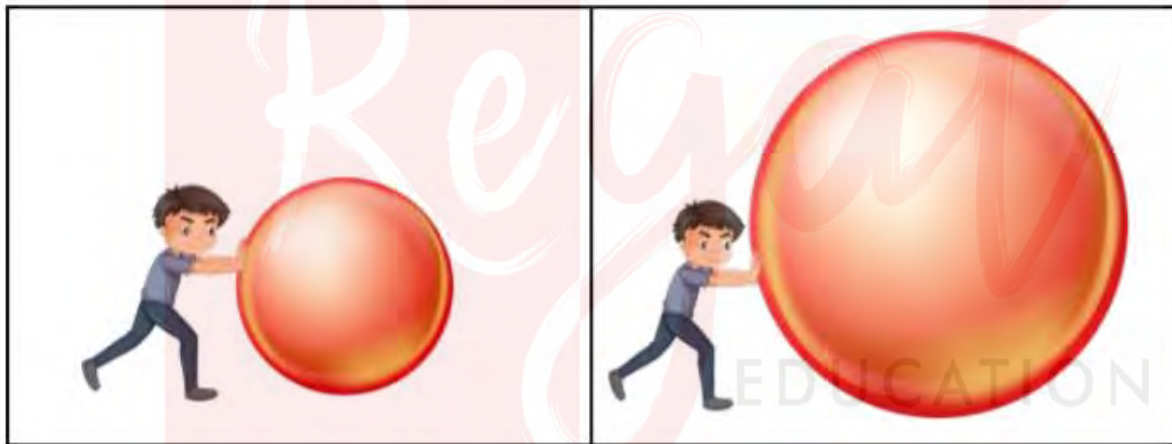
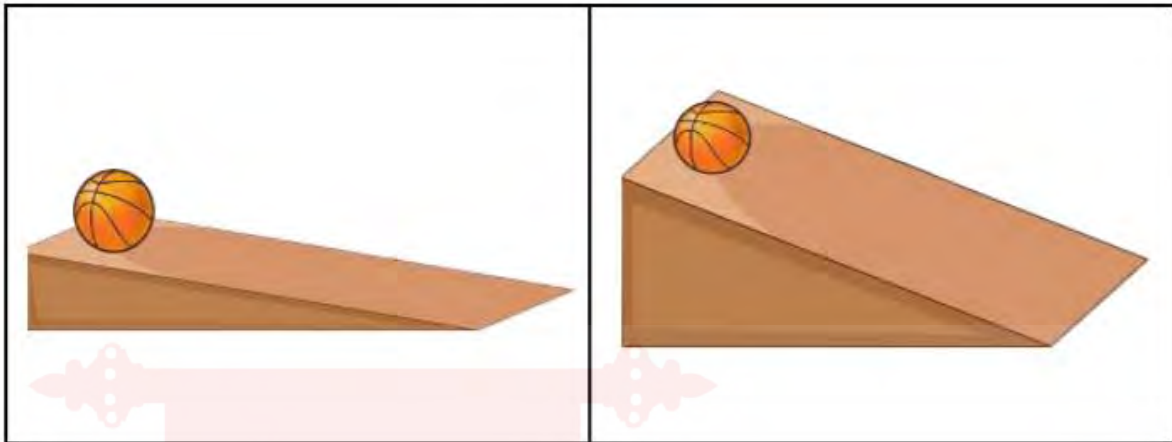
Draw an arrow showing the direction you have to push to stop the ball.





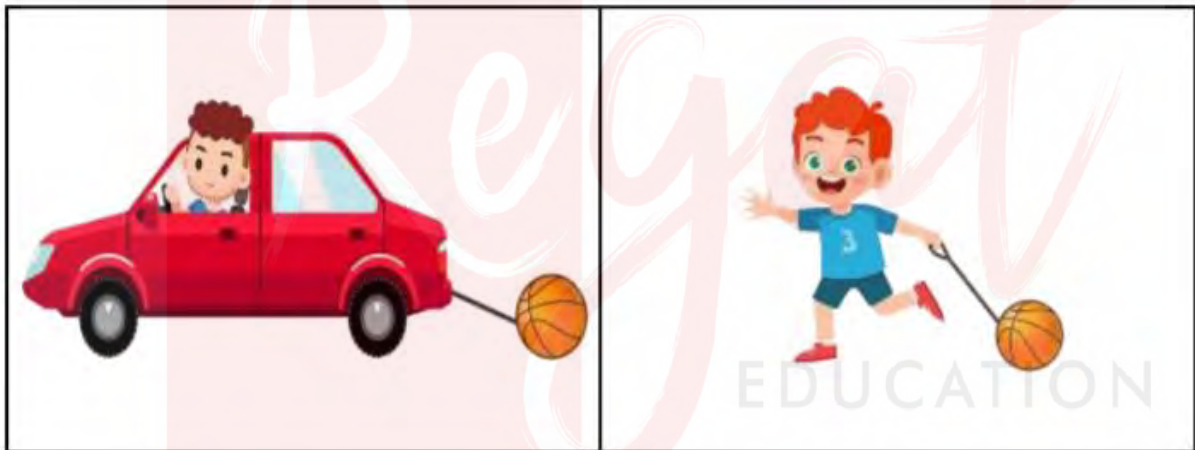
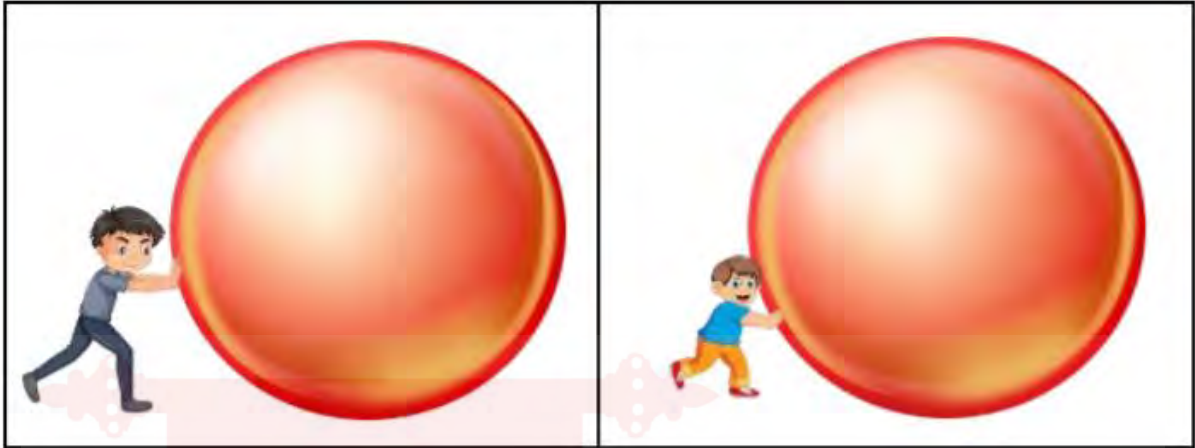
Draw an arrow showing the direction you have to push to stop the ball.





Circle the ball that moves faster. Explain your answer.





Circle the ball that moves faster. Explain your answer.



Unit 10

Cacao

Mug



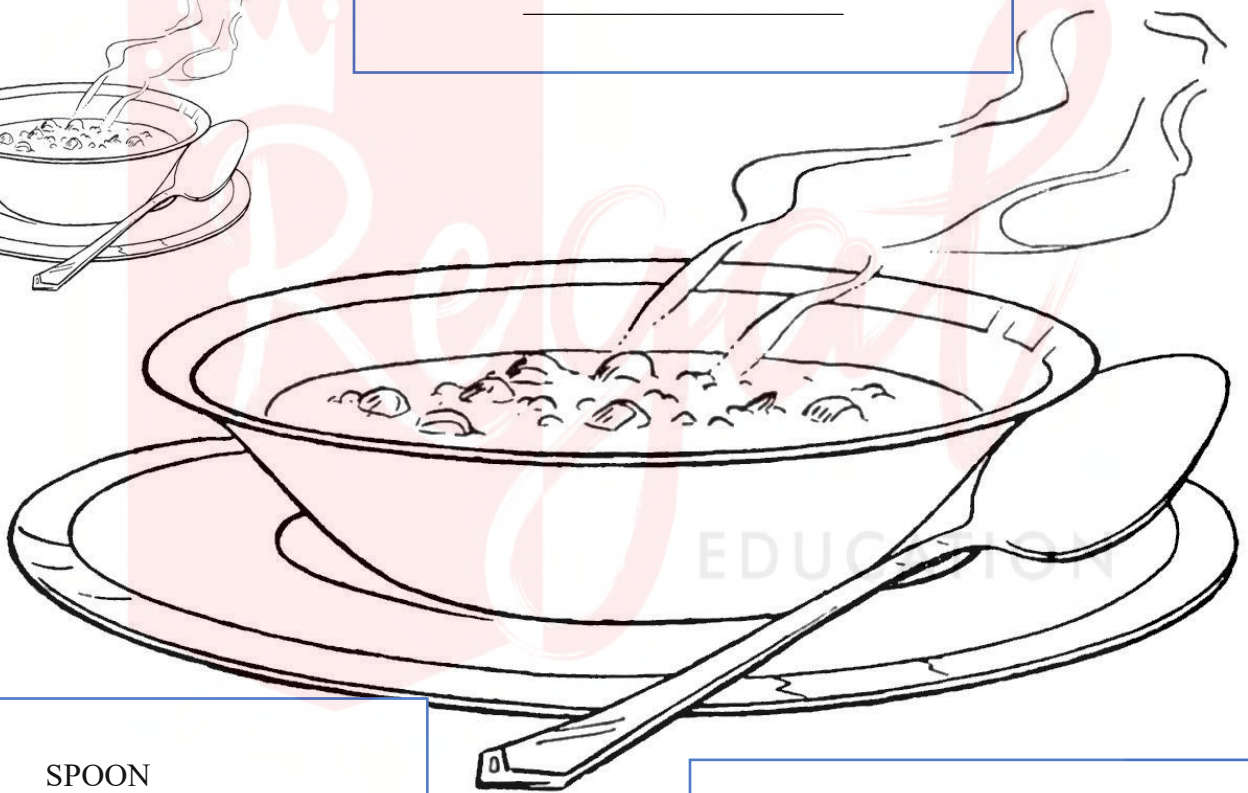
Solid?
Gas?
Liquid?
Sign and color.



Solid?
Gas?
Liquid?
Sign and color.



VAPOR



SPOON

BOWL

SOUP

DISH



Sign and color
everything you see in
the picture.



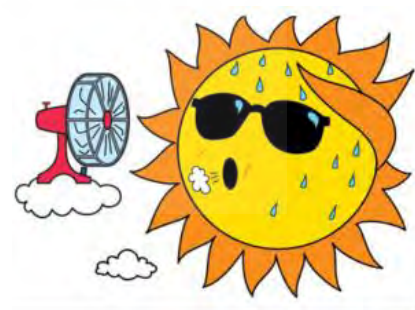
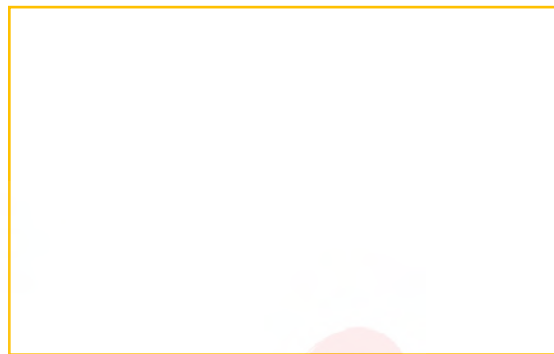
Divide the things you see into the groups. Explain your logic.
Compare with your friends. Did you get similar answers?



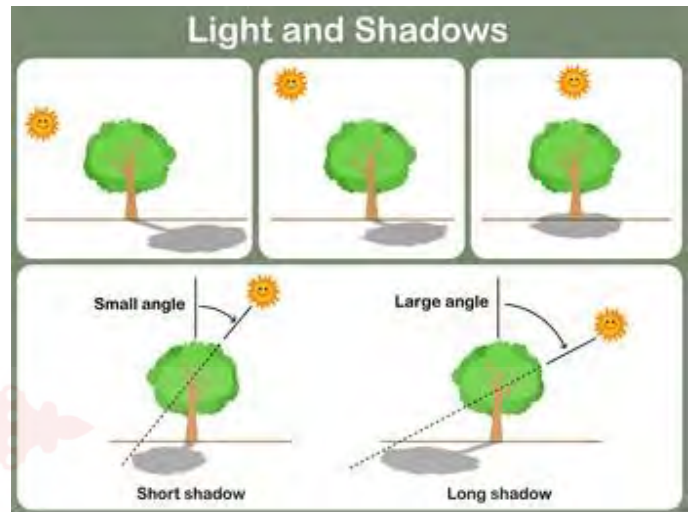
EDUCATION



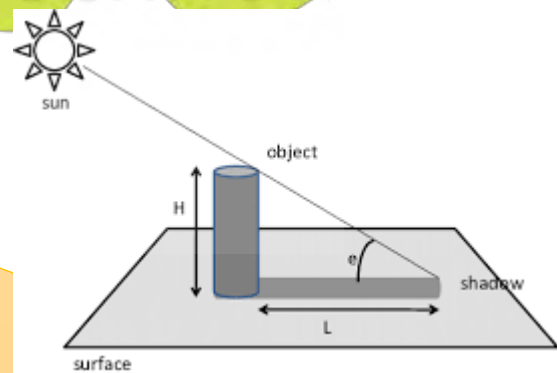
Divide the things you see into the groups. Explain your logic.
Compare with your friends. Did you get similar answers?



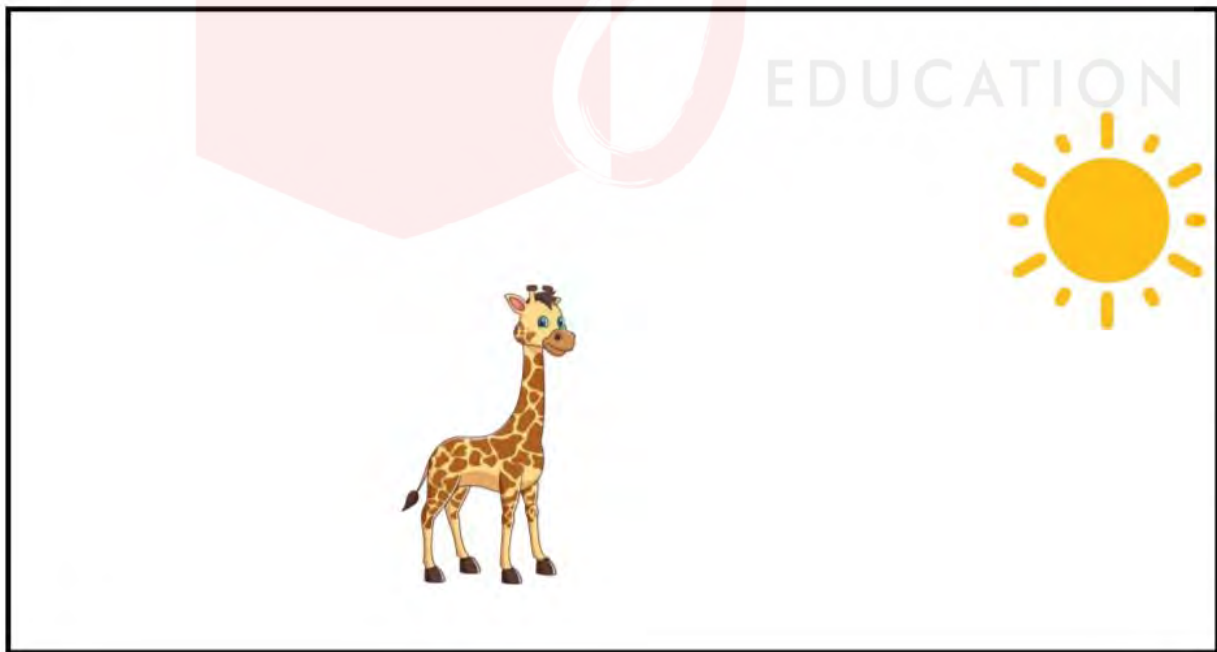
Unit 11

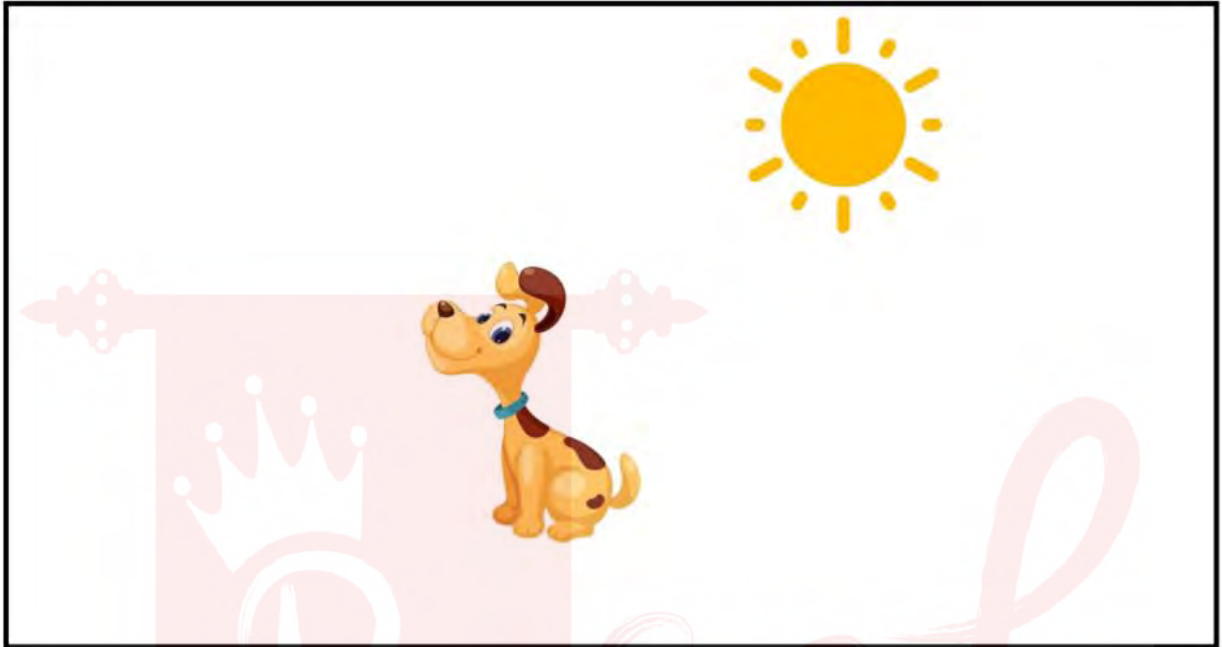


The position of the shadow depends on where the sun/ light is. The shadow will always be in the opposite direction. Study these pictures.



Draw the object's shadow.





Morning



Noon



Evening



I hear the challenge is coming.
Are you up for a challenge?



Fill in the blanks with words from the word bank.

low	soft	shakes
high	loud	sounds

1. When something _____ very fast, we say it vibrates. Your mobile can do that.
2. When something vibrates, it often makes _____.
3. Sounds can be _____ like a child screaming next to you.
4. Or sounds can be _____ like someone whispering.
5. A whistle makes a sound with a _____ pitch.
6. A drum makes a sound with a _____ pitch.



I hear another challenge is
coming.
Are you up for one more?

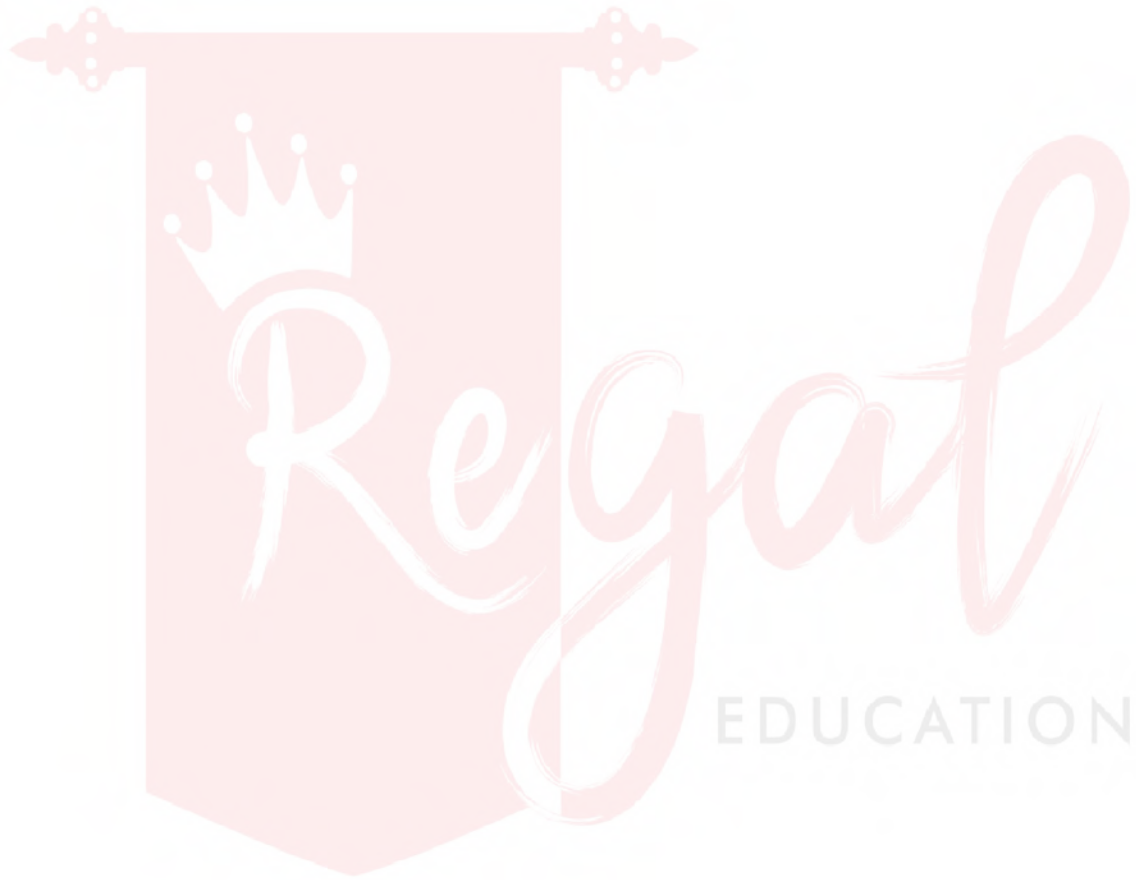


Choose the correct word.

1. A loud sound can travel (not more than two feet / a long distance).
2. A loud sound can make something (vibrate / disappear).
3. The further a sound has traveled, the (softer / louder) it sounds.
4. We call sounds we don't like (noise / echoes).

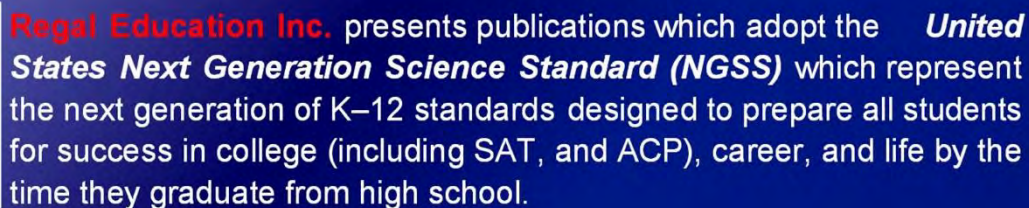


My notes









Gamebook is a supplementary material to be used in the classroom and at home to diversify learning routine, provide students with engaging materials that would help them to improve not only their academic, but also cognitive and social skills.



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