

Let's Do **SCIENCE**

Grade 1 Gamebook



Let's Do SCIENCE

Grade 1 Gamebook

Name: _____

Class: _____



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10 Pienza, Irvine,
CA 92606, United States

www.regaleducation.org

Let`s Do Science Gamebook **Grade 1**

First edition 2022

This edition is published by Regal Education Inc.

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ISBN 978-1-957095-34-9

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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.



What Are Living Things?

Unit 1

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.
- ✓ Play with your friend “I Spy with my little eye something green and red. What is it?” (Flower in the yard)



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.

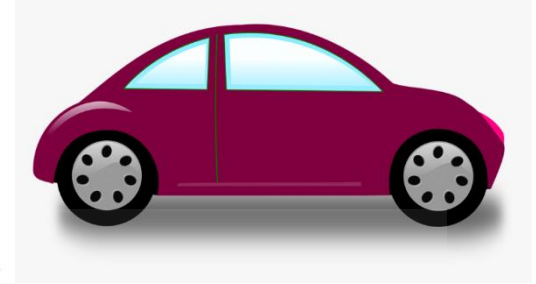
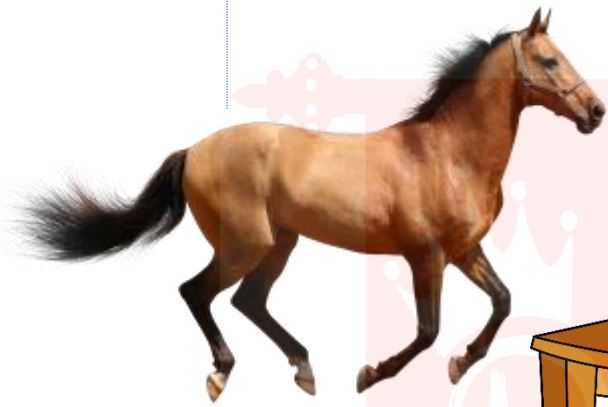
Look at the things around you.

- ✓ What things can you see?
- ✓ Name all the non-living things you can see around you right now.
- ✓ Play with your friend “I Spy with my little eye something blue and white. What is it?” (My Science book).



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

Living Things



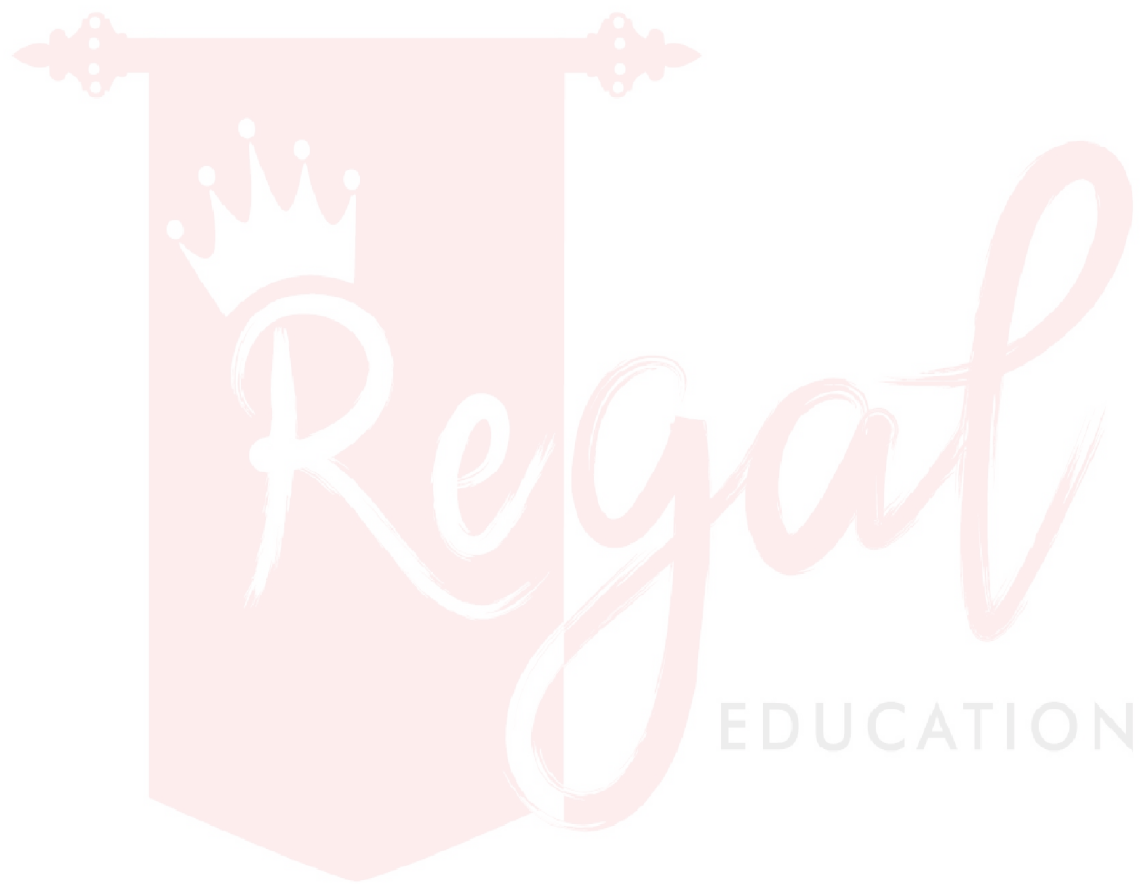
Non-Living Things

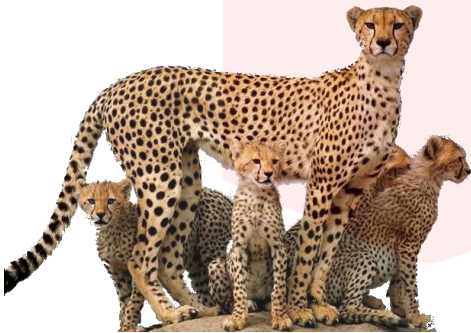
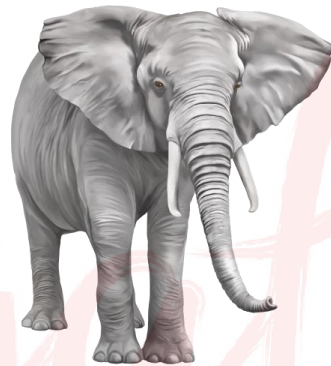
Cut out the flashcards. Play with your friends.

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.









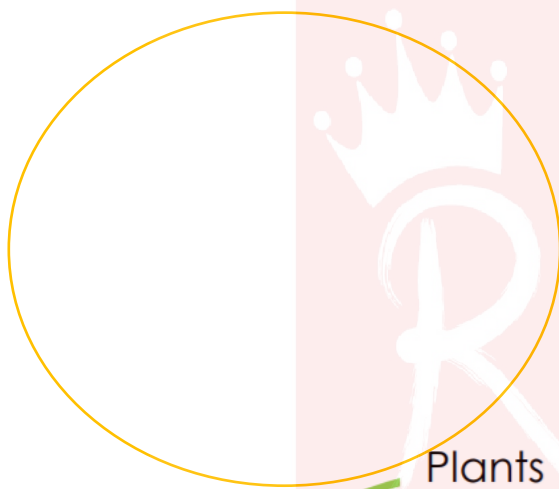




In the diagram, write the things that plants and animals need to live and grow. Play online and add other things to the list.



sunlight
air
water
food
soil
shelter
space



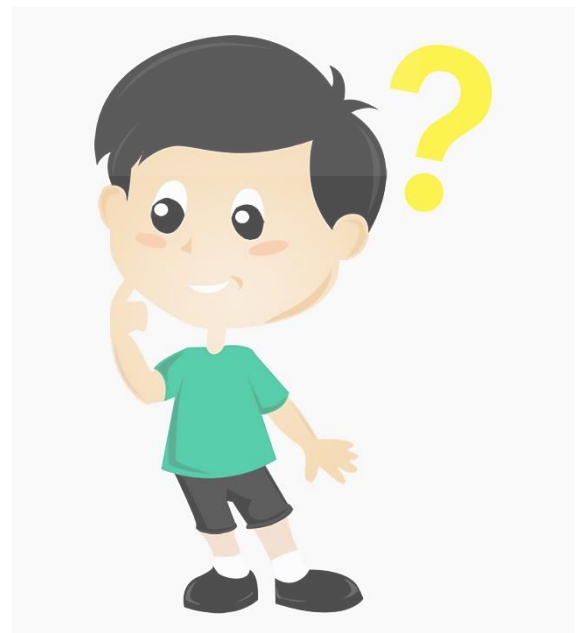
Plants

Animals

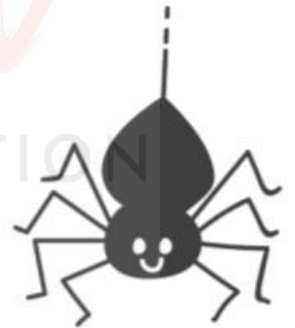
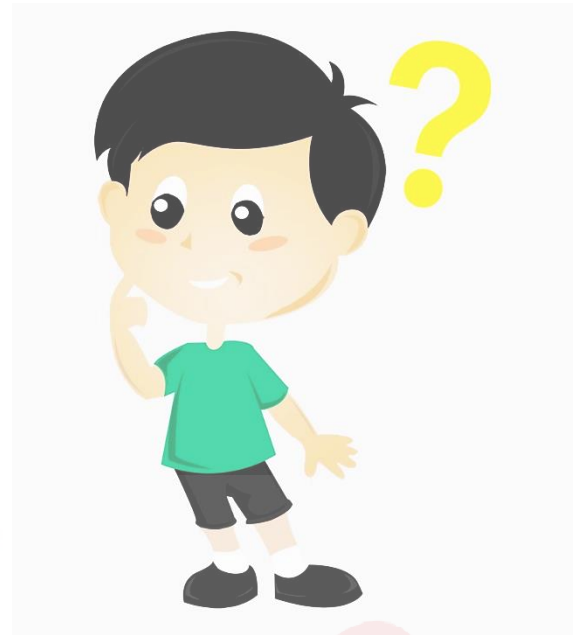


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Circle the living thing.
Cross out the non-living thing.



Circle the living thing.
Cross out the non-living thing.



Animal	Food	Water	Shelter
 wolf			
 dog			
 tiger			
 cat			
 eagle			
 pet parrot			

Work with friends or alone. Do a quick research and fill in the table. You can use the Internet.

Unit 2

Circle the animals.
Cross out the plants.





Circle the animals.
Cross out the plants.

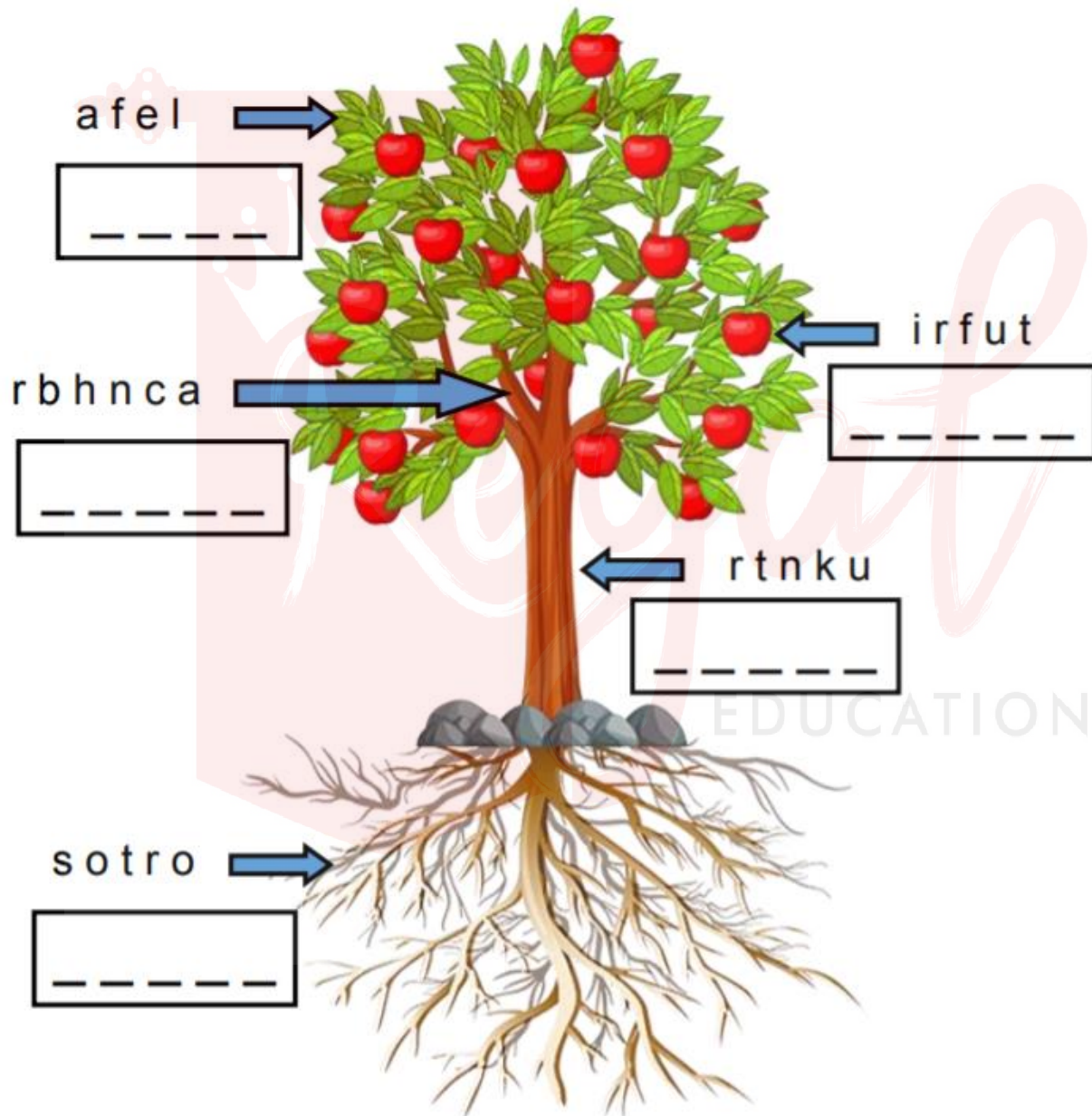




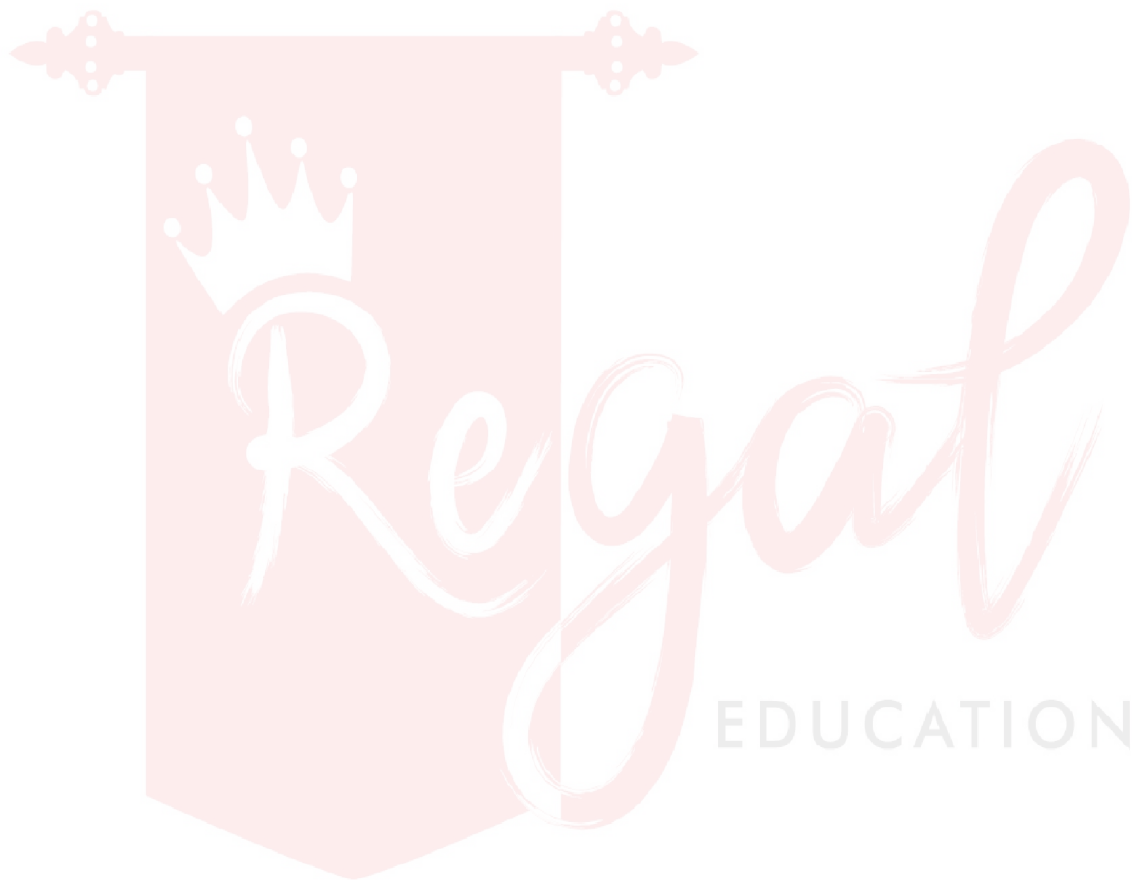
Circle the animals.
Cross out the plants.



Unscramble the letters to name the different parts of a tree.



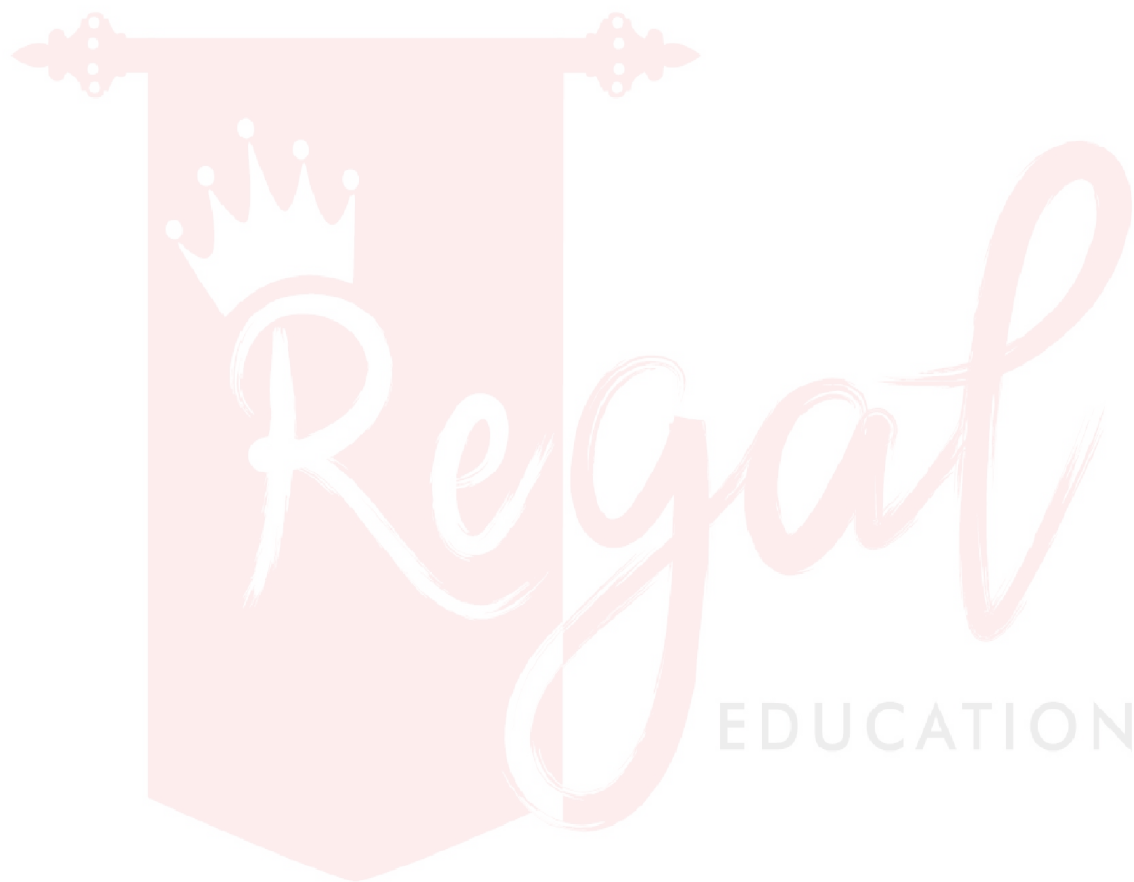
Draw plants you can see around you and sign each part of the plant.



Count the number of legs and wings of each animal. How does it move (fly, run, swim or Crawl)?

Animal	Number of legs	Number of wings	How does it move?
			
			
			
			
			
			
			

Draw your favorite animal and sign each part of it.

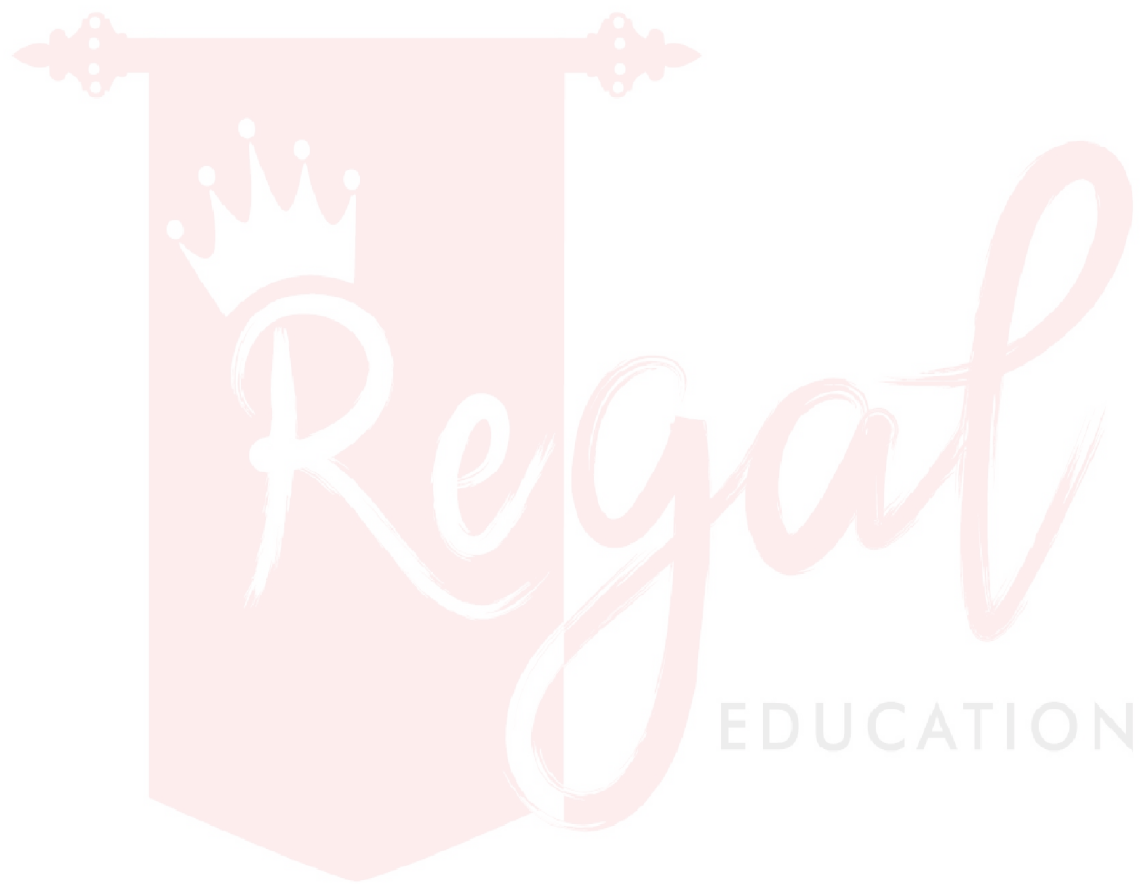


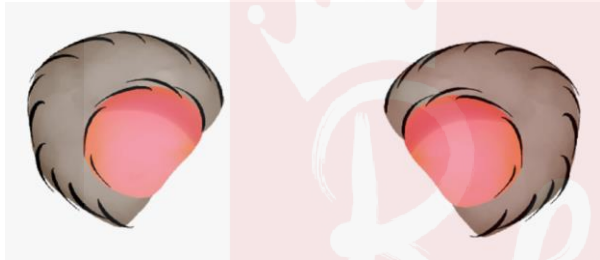
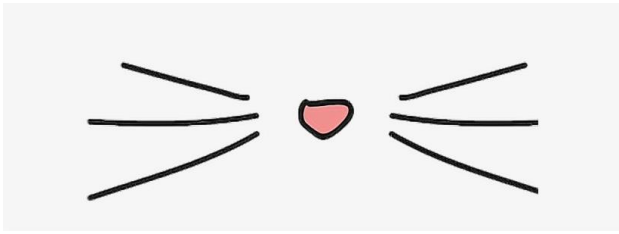
Study the parts of the animals and their names.
On the following page, cut out the words and the pictures.
Match them.
You can play with a friend or alone.

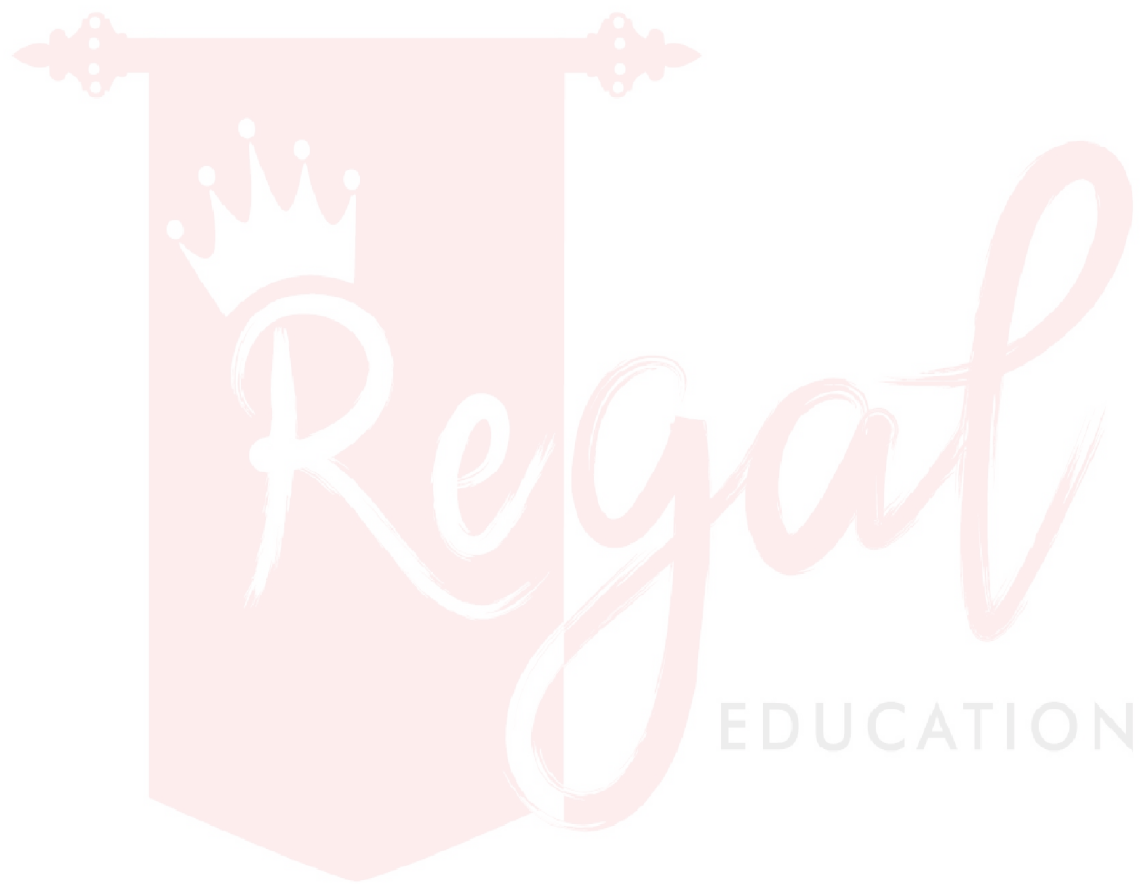


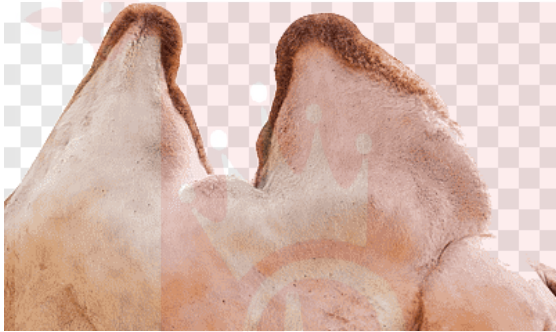
Cut out the cards.

Whiskers	Beak
Ears	Horns
Antlers	Teeth
Fangs	Tusks
Wings	Feathers
Humps	Shell
Trunk	Mane
Tail	Gills
Scales	Fins
Flippers	Antennae
Legs	Feet
Paws	Claws
Hooves	Arms
Tentacles	Fur
Sports	Stripes
Web	Talons

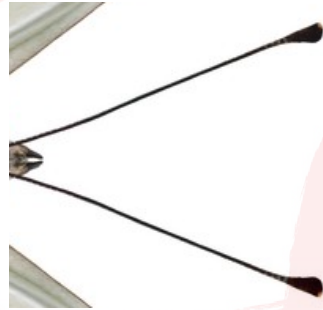




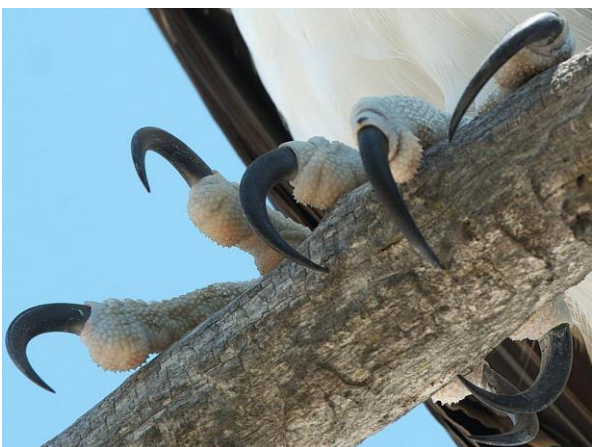
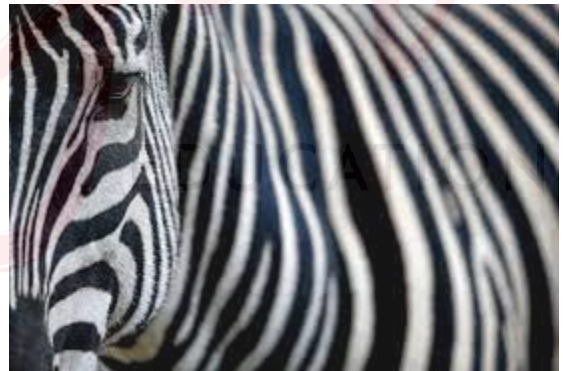


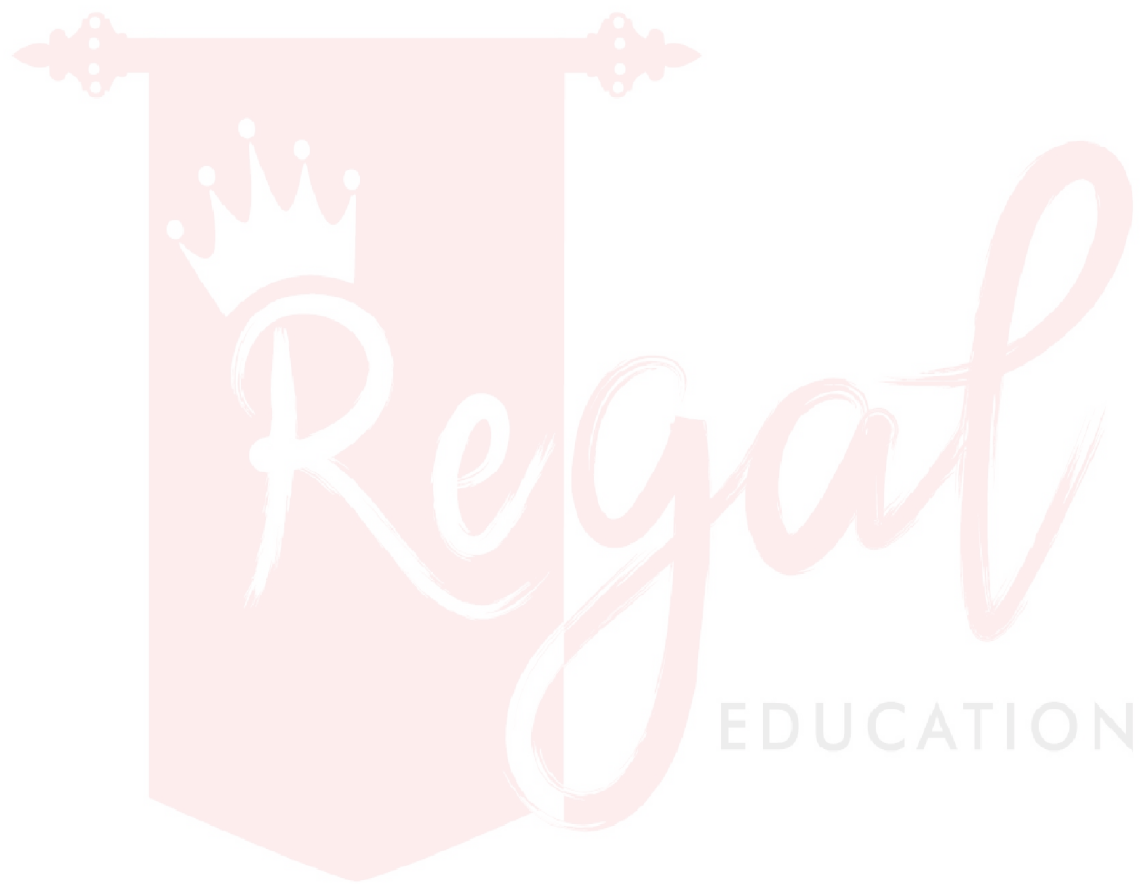




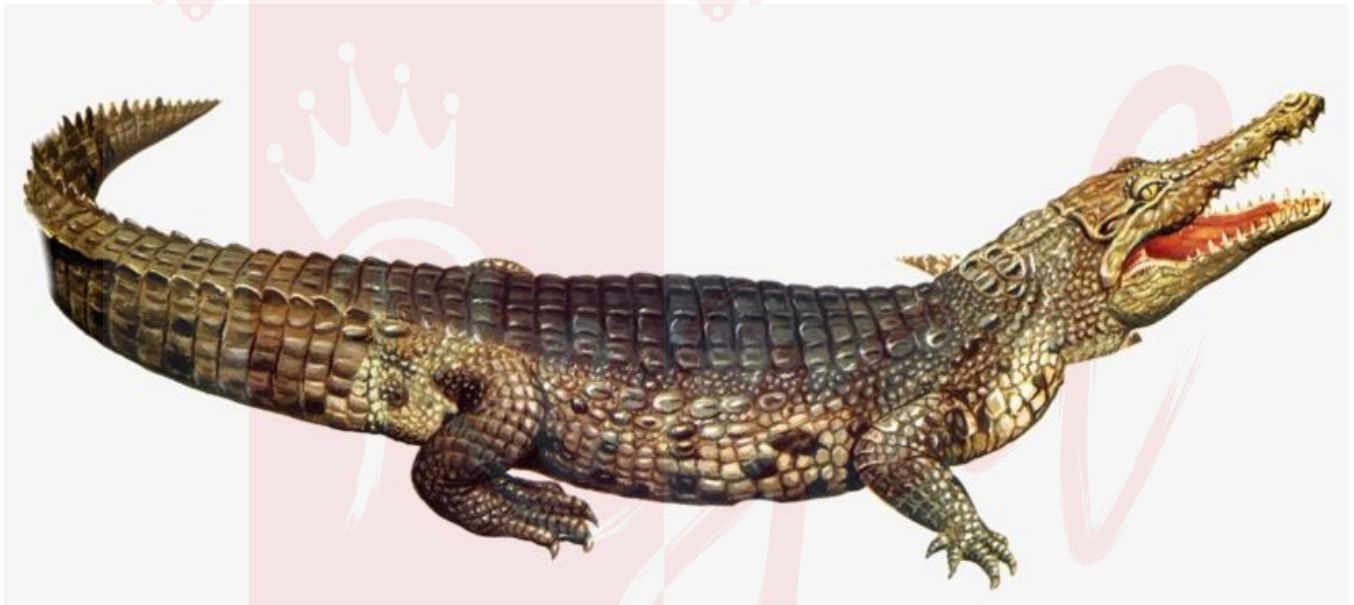


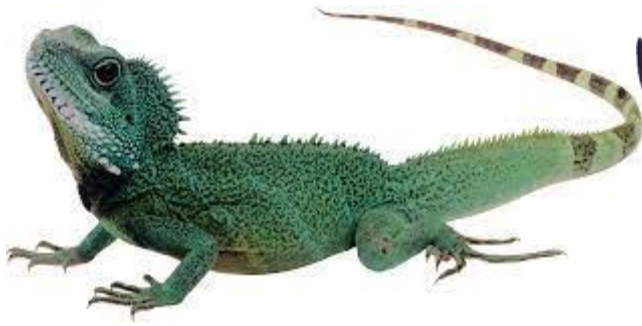






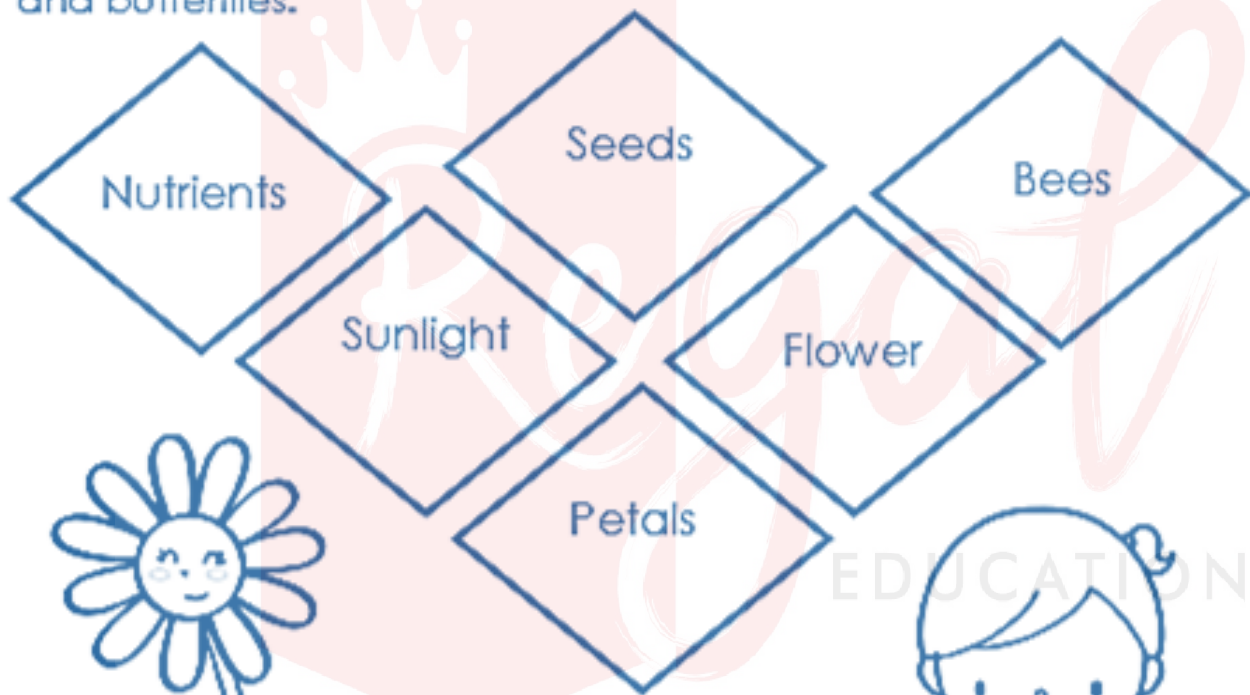
Name our parts.





Name our parts.

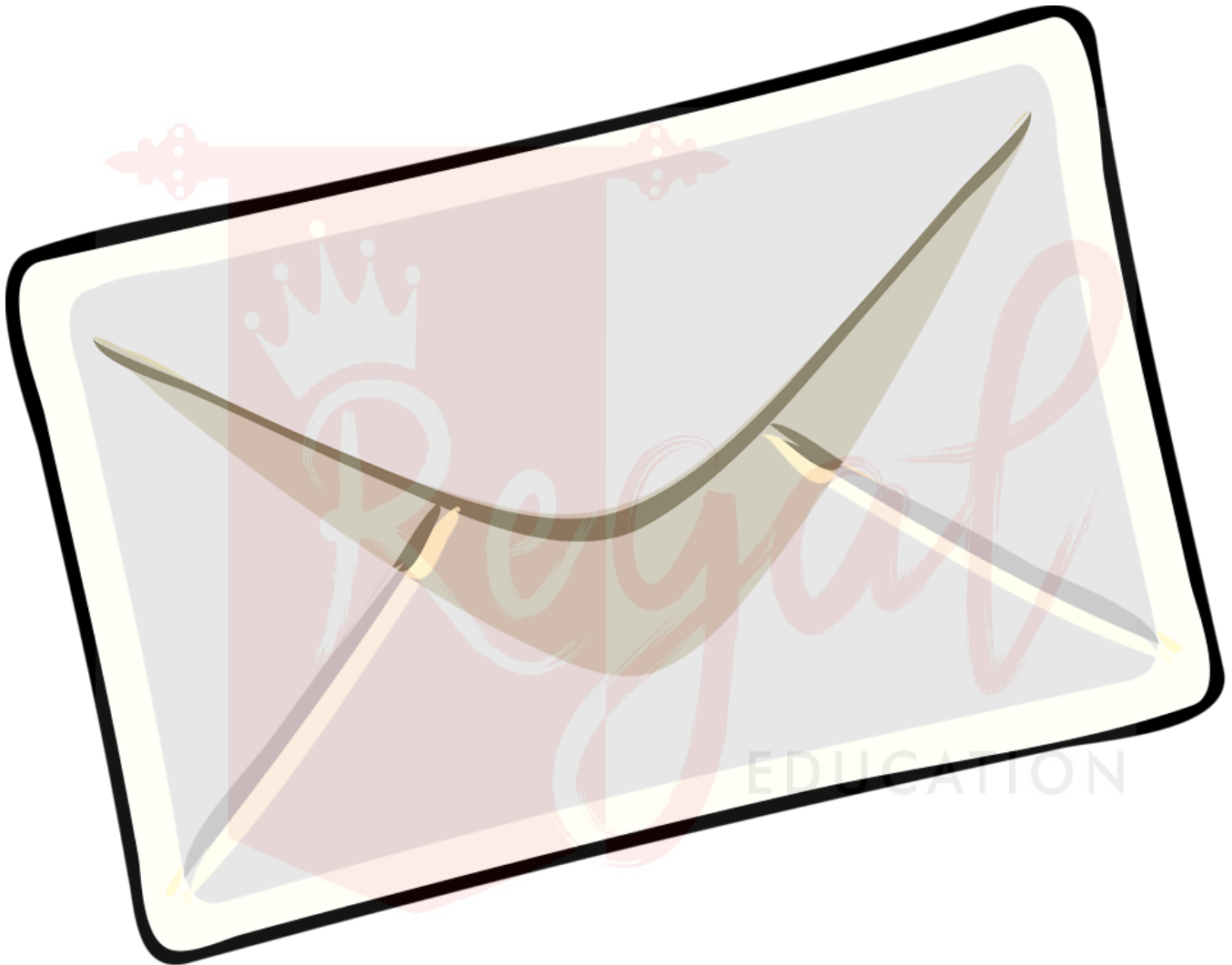
Plants need _____, water and nutrients to grow properly. Plants are made up of different parts. The roots keep the plants steady and they absorb water. The stems carry the water and _____ from the roots to the leaves to the other parts of the flower. The leaves catch the light that the _____ needs. The 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 the text, using the
words in boxes.



Glue an envelope for the flashcards here.



Unit 3

Study the names of animals and their young ones. On the following pages sign each pair. Compare your answers with your friends`.

alligator and hatchling

bear and cub

elephant and calf

cat and kitten

cow and calf

rabbit and kit

snowy owl and owlet

wolf and pup

beluga whale and calf

musk and calf

polar bear and cub

fox and cub

kangaroo and joey

shark and pup

tiger and cub

turtle and hatchling

raccoon and kit

snake and snakelet

sloth and baby sloth

eagle and eaglet

panda and cub

otter and pup

giraffe and cub

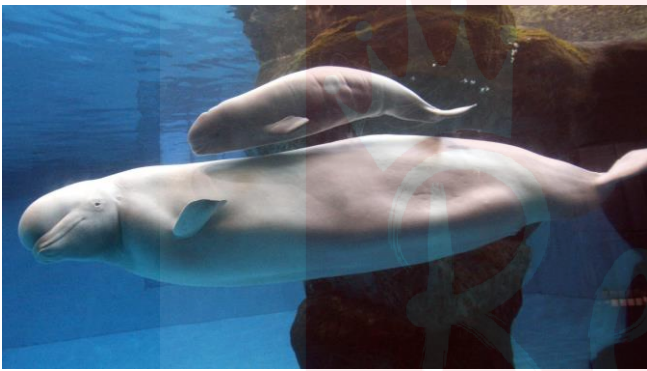
lion and cub

meerkat and cub



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EDUCATION





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What is the most common name
for a baby animal?

What is the least common
name?

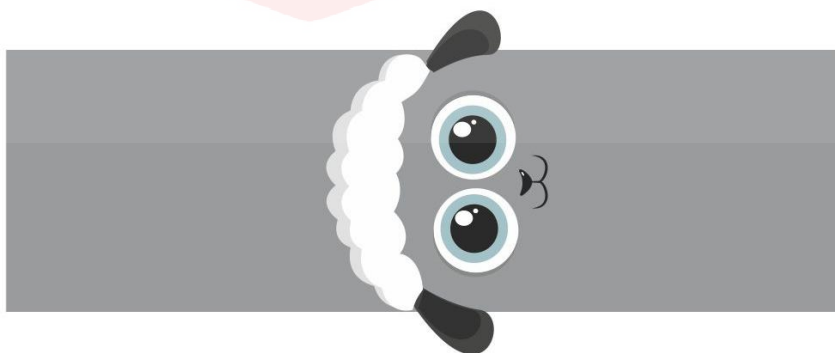


Let`s make our own zoo.

Follow the instructions. Play alone or with friends.



1. Cut out body.
2. Fold white tabs under.
3. Glue to grass base.

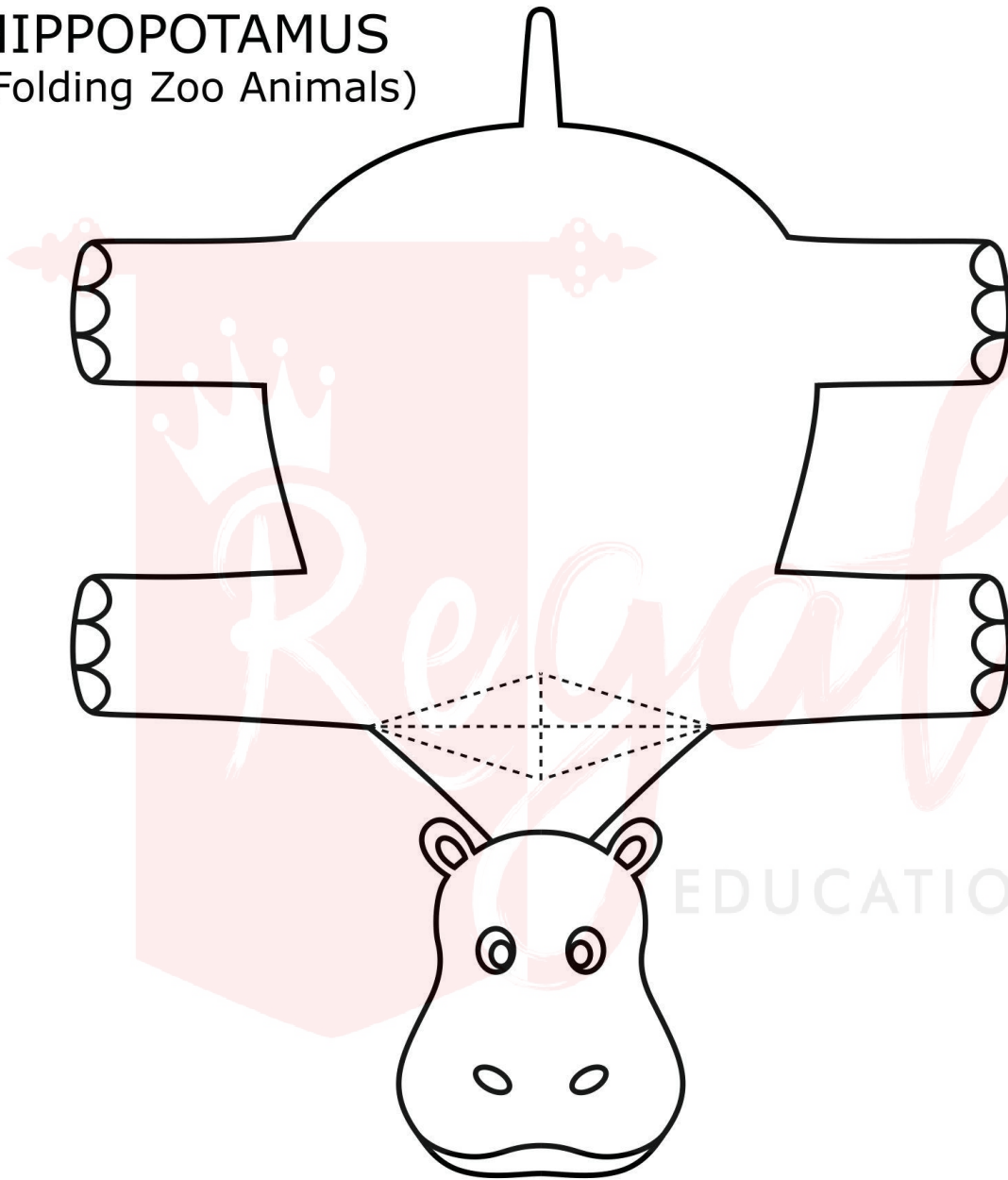


1. Cut out head.
2. Roll into tube.
3. Glue to body.

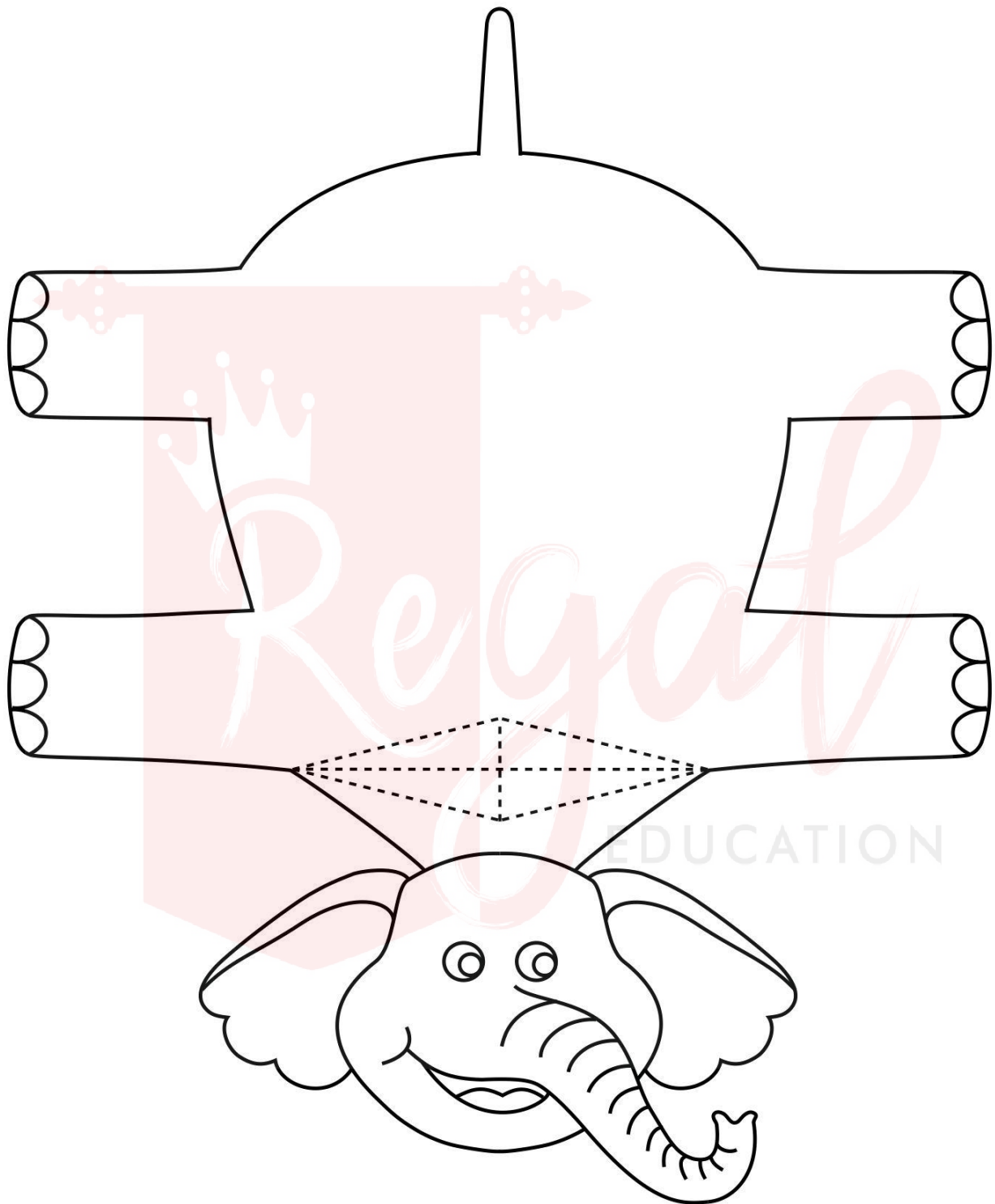


HIPPOPOTAMUS

(Folding Zoo Animals)



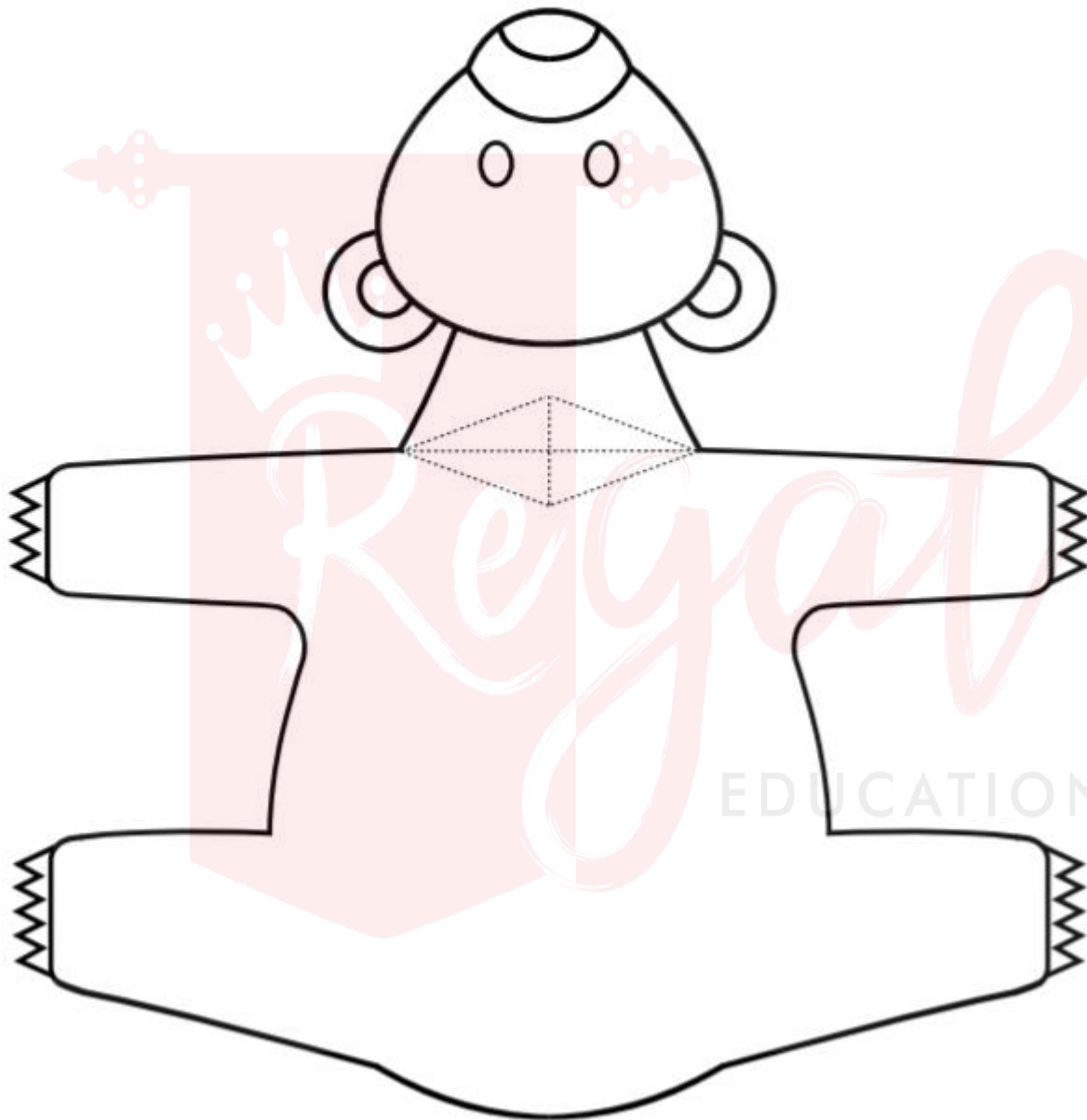




ELEPHANT
(folding zoo animals)



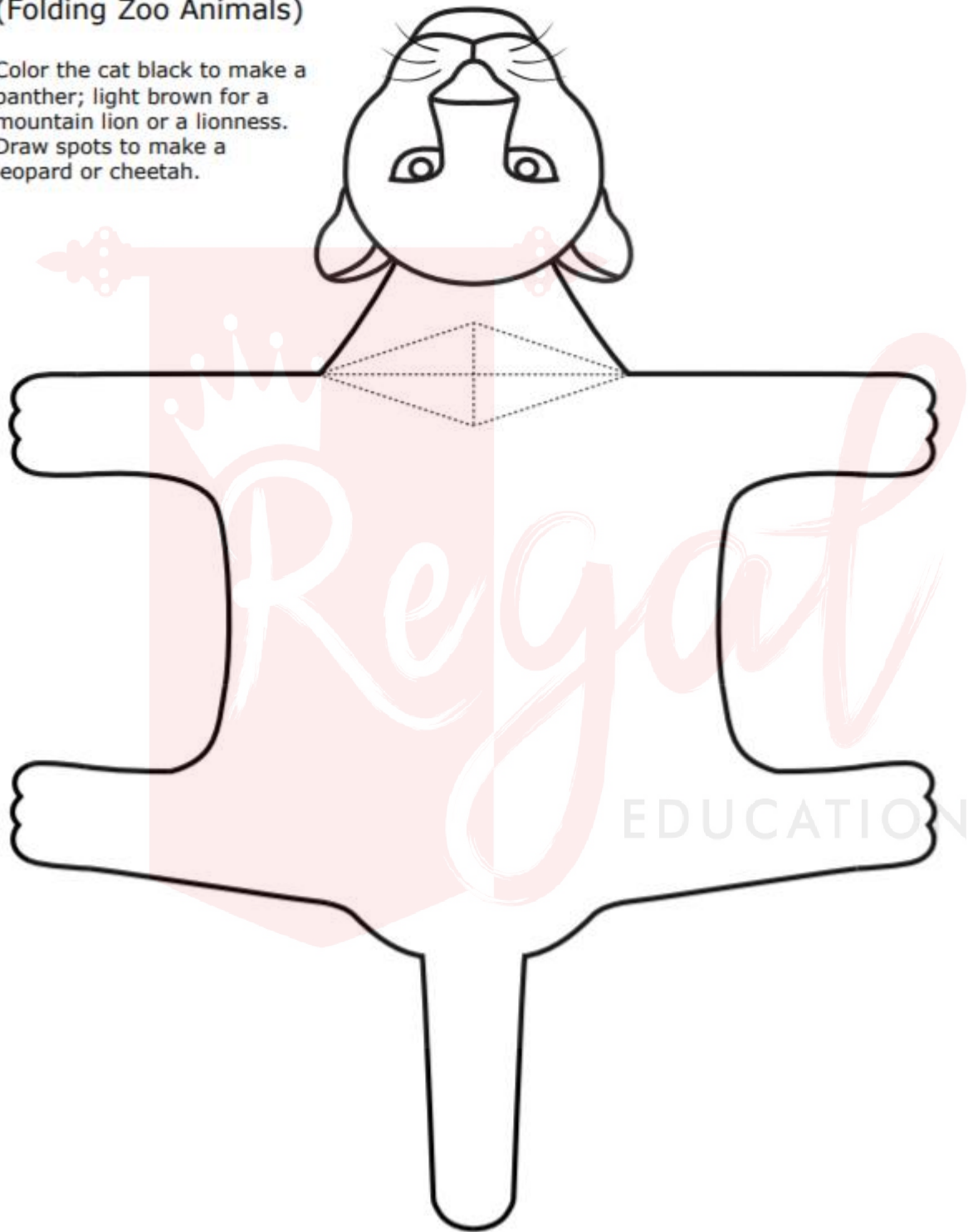
BEAR (Folding Zoo Animals)





BIG CAT (Folding Zoo Animals)

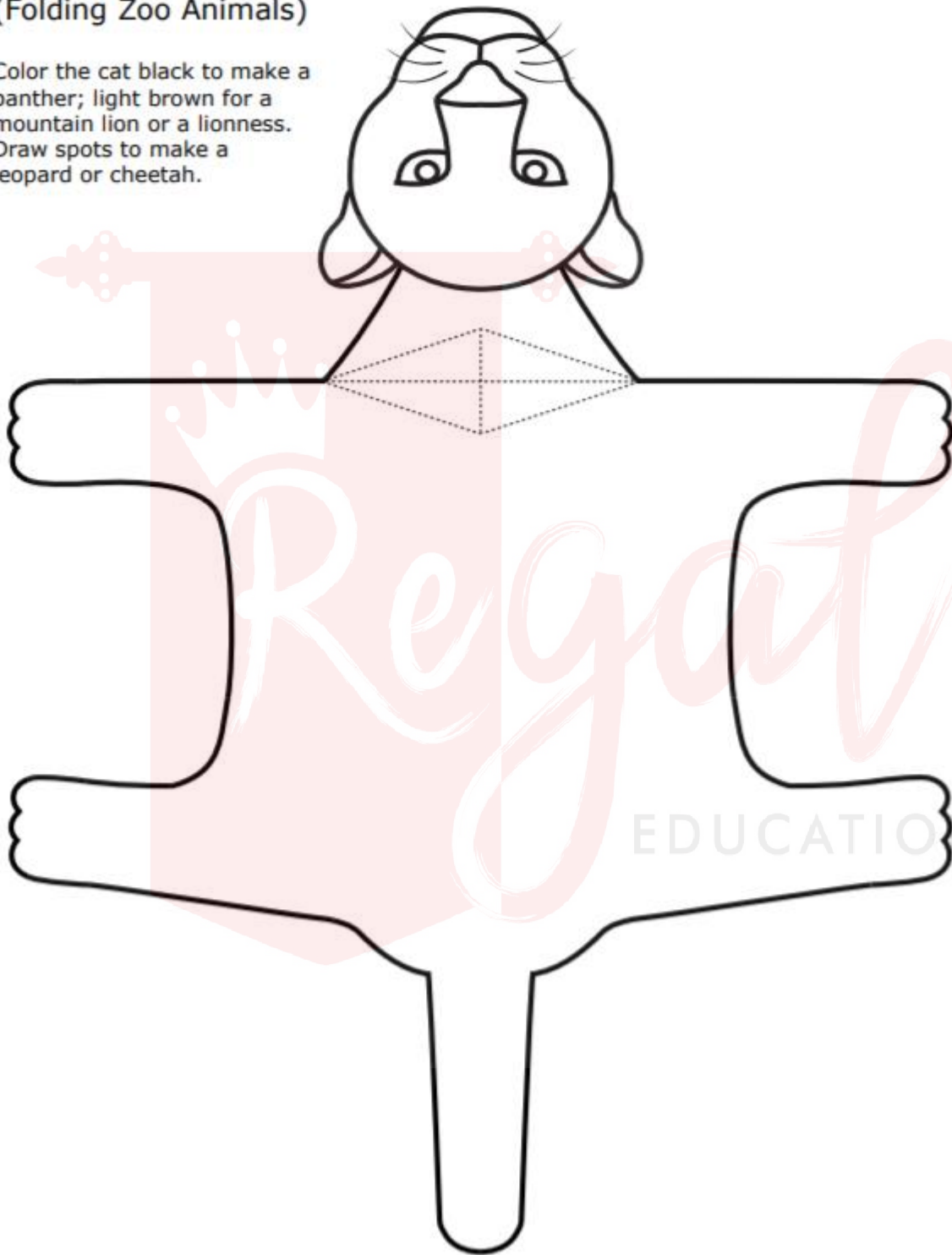
Color the cat black to make a panther; light brown for a mountain lion or a lioness. Draw spots to make a leopard or cheetah.





BIG CAT (Folding Zoo Animals)

Color the cat black to make a panther; light brown for a mountain lion or a lioness. Draw spots to make a leopard or cheetah.





Unit 4

Humans cannot survive in space. Spaceships must protect them and meet their needs. Match the needs with essential elements. Work with your friends or alone. Compare your answers. Multiple answers are possible if you can prove your point.



air •



water •



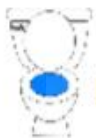
food •



shelter •



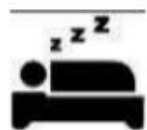
keeping
clean •



bathroom •



exercise •



sleep •

- Food is kept in sealed containers so it doesn't float away.
- Astronauts can wash with waterless soap and shampoo.
- Space toilets suck waste away to a tank.
- Sleeping bags are strapped down so they don't float.
- Space ships and space suits must carry air.
- Astronauts can run on special treadmills.
- Space ships carry little water. It must be recycled.
- Space ships and space suits protect astronauts from extreme heat and cold.



To play online, scan the QR code.



Look at the pictures, choose and circle the correct option.

1



- a) Mars
- b) Comet
- c) Jupiter
- d) Earth

2



- a) Pluto
- b) Neptune
- c) Uranus
- d) Meteorite

3



- a) Venus
- b) Mercury
- c) Saturn
- d) Sun

4



- a) Saturn
- b) Venus
- c) Neptune
- d) Sun

5



- a) Meteorite
- b) Earth
- c) Jupiter
- d) Comet

6



- a) Uranus
- b) Mercury
- c) Pluto
- d) Mars

7



- a) Neptune
- b) Mars
- c) Pluto
- d) Uranus

8



- a) Jupiter
- b) Comet
- c) Saturn
- d) Meteorite

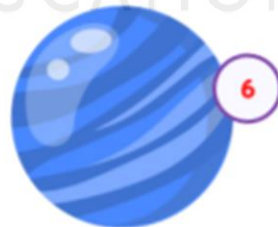
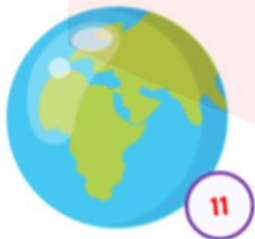
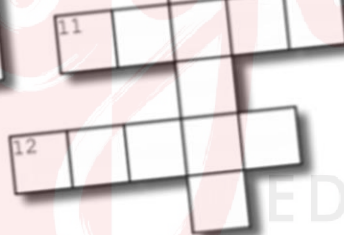
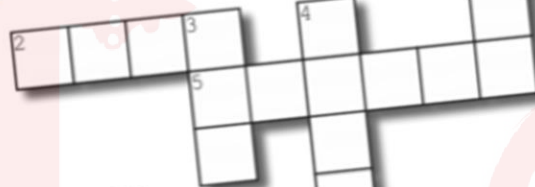
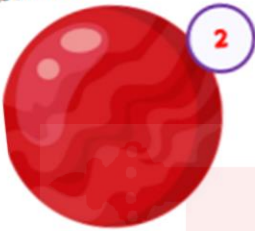
9



- a) Venus
- b) Sun
- c) Mercury
- d) Earth

SOLAR SYSTEM CROSSWORD PUZZLE

Look at the numbers on the pictures and write the solar system vocabulary in the crossword puzzle

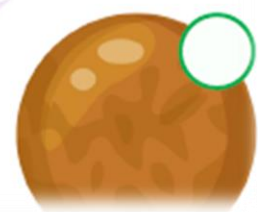
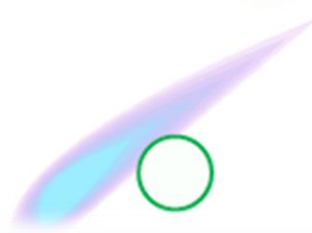
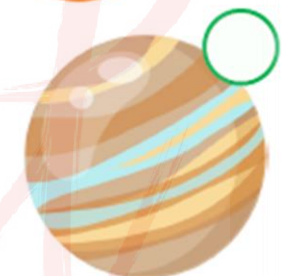
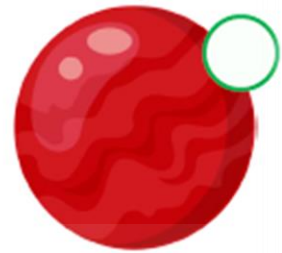


SOLAR SYSTEM WORD SEARCH PUZZLE

Find and circle the words in the word search puzzle and number the pictures

s	e	c	o	y	z	g	f	j	f	k	i	n	e	p	t	u	n	e	l
a	s	y	r	q	q	r	s	w	m	r	g	h	x	i	p	l	k	n	a
t	w	e	e	y	t	n	y	h	c	q	u	x	o	u	i	x	z	g	u
u	n	b	w	r	r	m	e	r	c	u	r	y	z	r	j	u	l	s	a
r	q	g	j	d	r	o	f	w	l	v	a	y	v	o	y	r	r	e	j
n	a	i	l	v	i	m	s	q	l	e	n	u	h	t	c	u	z	a	u
v	s	u	n	e	a	w	f	r	c	n	u	v	a	g	n	b	l	h	p
d	t	v	v	u	k	d	e	y	t	u	s	l	p	o	s	j	k	y	i
h	u	w	r	a	j	c	m	a	r	s	h	v	q	y	d	v	x	v	t
a	h	t	c	f	g	o	s	w	f	j	m	e	t	e	o	r	i	t	e
c	q	u	l	n	q	m	v	s	d	o	l	p	y	k	b	c	i	w	r
e	a	r	t	h	x	e	j	g	r	u	y	b	c	v	h	t	q	k	y
g	r	v	p	l	u	t	o	y	l	g	g	e	b	d	y	g	b	t	c
z	z	c	t	h	j	x	p	p	b	r	u	g	t	m	r	k	m	e	i
n	u	d	g	v	t	p	r	e	w	k	r	f	w	s	s	j	h	v	n

1. Sun
2. Mercury
3. Venus
4. Earth
5. Mars
6. Jupiter
7. Saturn
8. Uranus
9. Neptune
10. Pluto
11. Comet
12. Meteorite



Match each planet to its description.



Mercury •



Venus •



Earth •



Mars •



Jupiter •



Saturn •



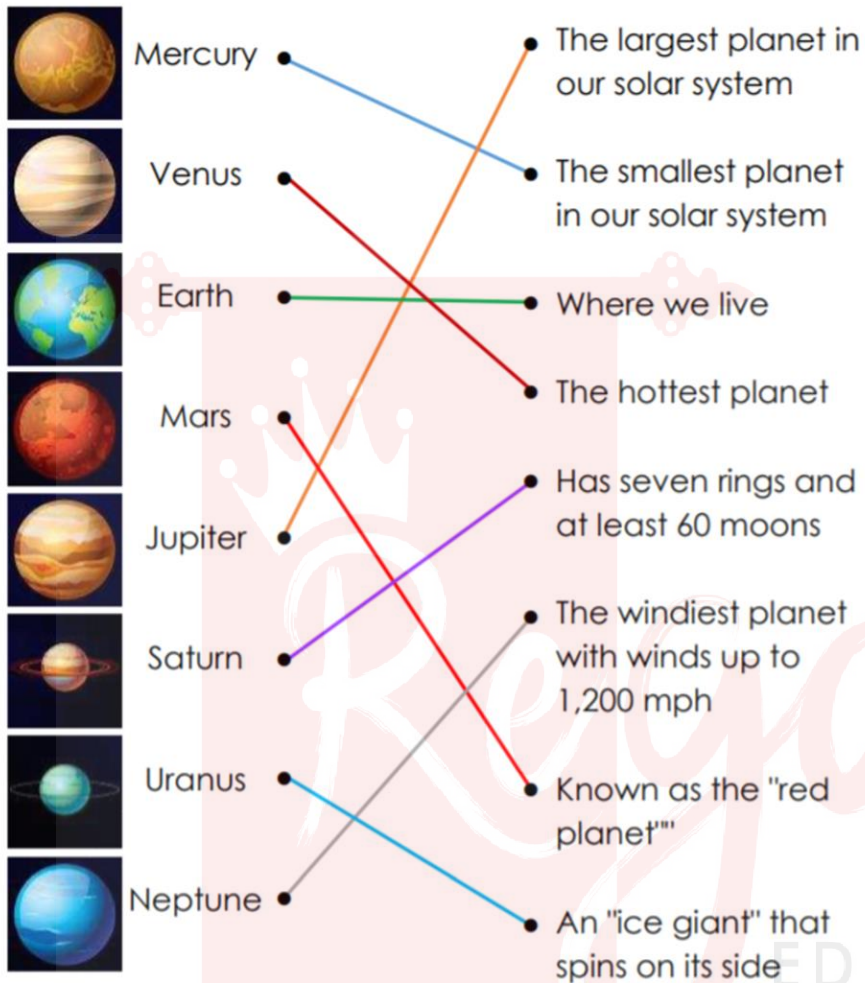
Uranus •



Neptune •

- The largest planet in our solar system
- The smallest planet in our solar system
- Where we live
- The hottest planet
- Has seven rings and at least 60 moons
- The windiest planet with winds up to 1,200 mph
- Known as the "red planet"
- An "ice giant" that spins on its side

Answers



How many did you get correct?
How many did you get wrong?
What was a surprise for you?

Fill in the blanks.

moon

month

light

star

hours

planet

year

sun

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

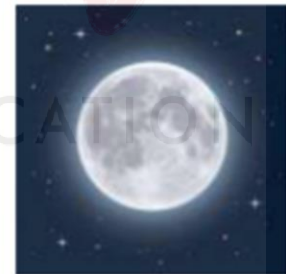


The earth is a _____. It spins
around, or revolves, once every
24 _____.



The earth goes around the _____
in about one _____.

The _____ goes around the earth
in about one _____.

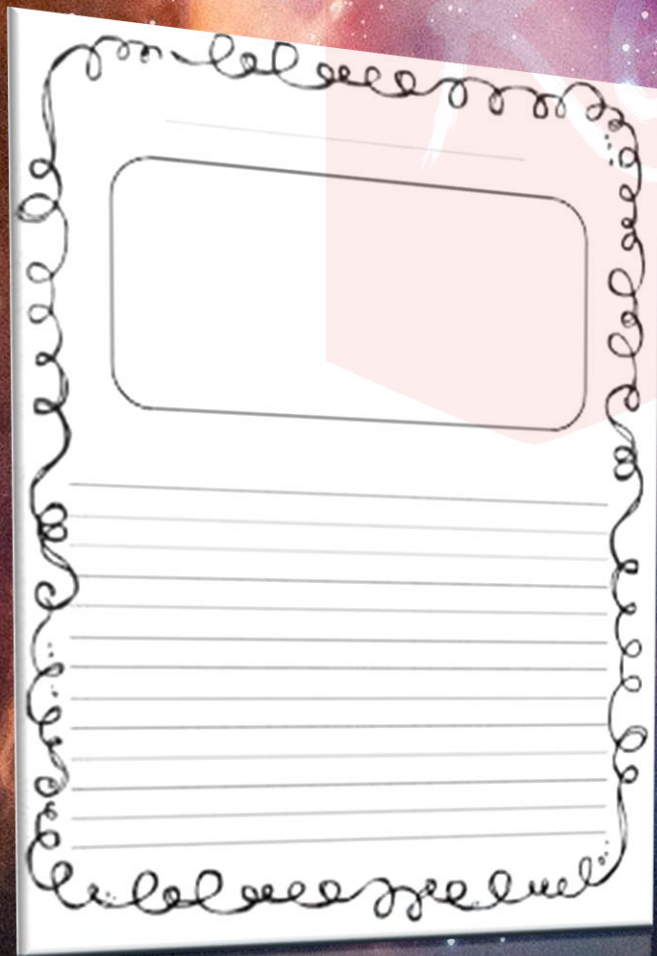


***You are preparing for a Space Mission with your friends.
What will you need? Work alone or with friends. Compare
your answers with other groups.***

Things you need to think of.

1. Destination (where you go).
2. The crew (people you go with).
3. Essentials (what you **MUST** have with you).
4. Any other things you consider important.

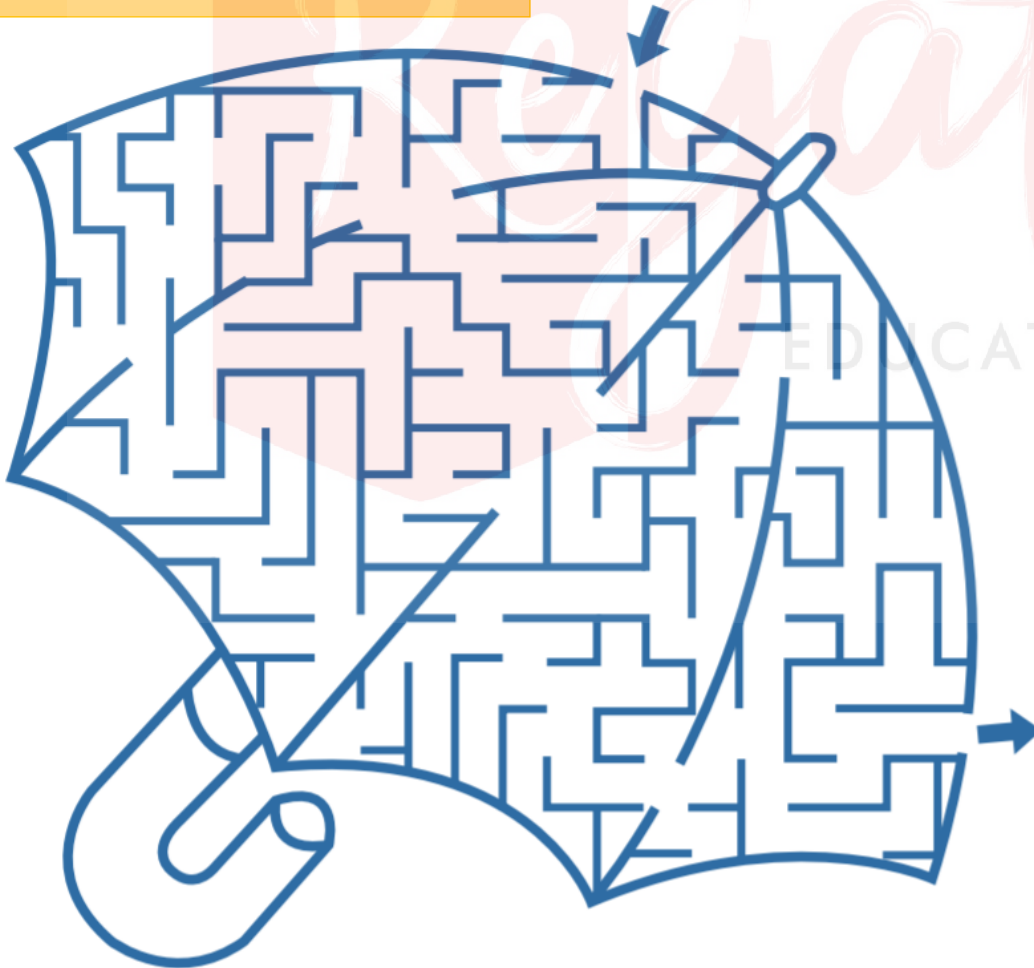




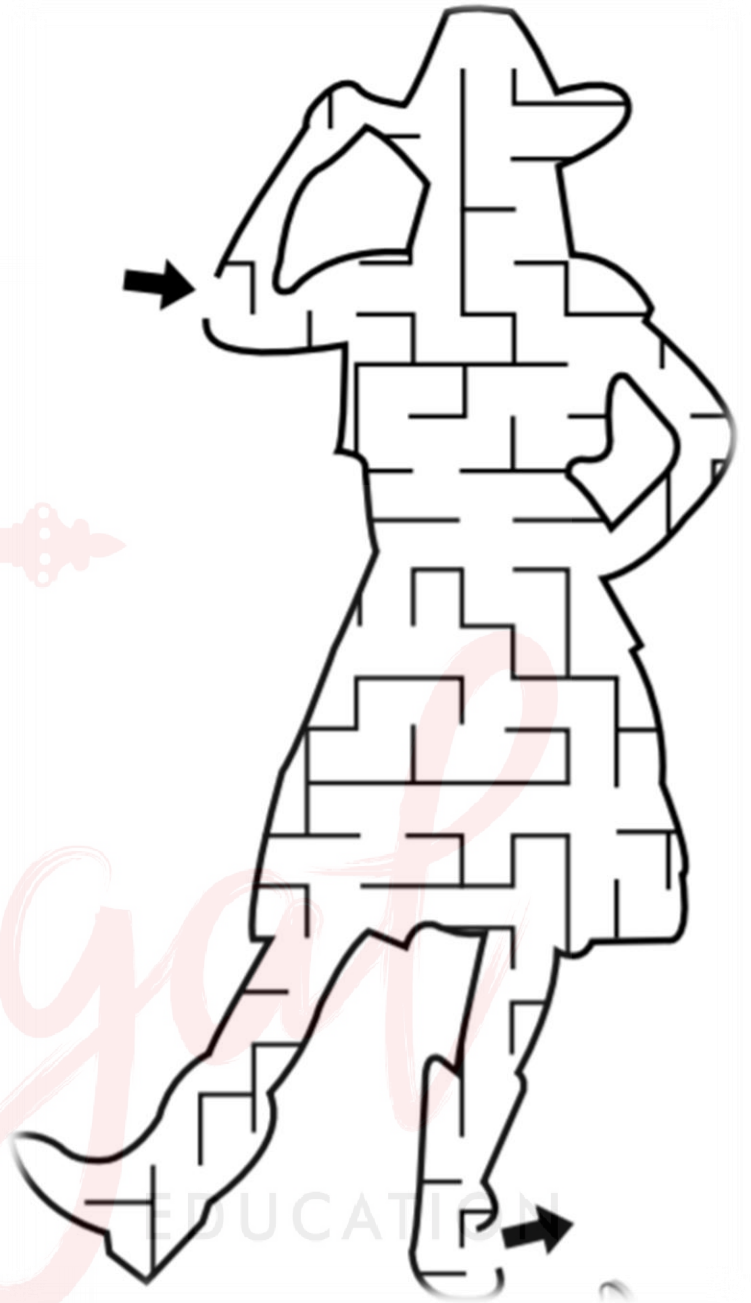
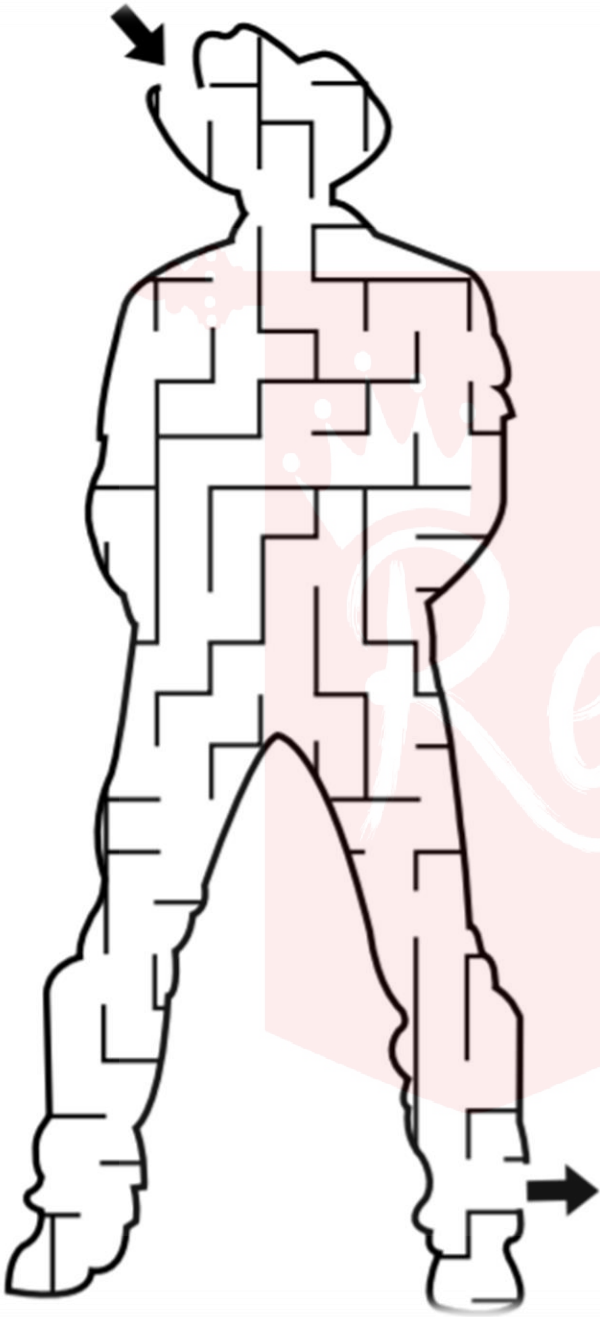
Unit 5

To play online, scan the QR codes.

How fast can you get out of the maze?
Color your way.



How fast can you get out of the maze?
Color your way.



WORD LIST

BLIZZARD
CELSIUS
CLOUDY
COLD

DROUGHT
FAHRENHEIT
FOG
HAIL

HOT
HUMID
HURRICANE
RAIN

SNOW
SUNNY
TEMPERATURE
TORNADO



WEATHER Word Search



O T O R N A D O Y C D T J E W
K H T E I N D D O J G T O H C
D X S E Z A U Q M Q L W N U G
L Q J E M O A F S U N N Y R B
N A K U L P E A T I H H S R L
D O B C G R E H E E K E E I I
A R Q U L N H R I R Y Z B C Z
C F O G Z O U E A D J J I A Z
S D S U Q L M N K T E M S N A
N R V H G R I H V G U U V E R
O Z G A M H D E U S I R Z H D
W C J I Y B T I L S B B E O A
E L J L M O C T L C Z N H T M
E C D C O L D E Z R A I N I Z
Z P L T H L C W R K Y C L A C



*Do you know all these words? Now
let`s find them. Compare your results
with your friends`.*



WINTER

Word Search



T E O G S V S N O W M A N B J
H F S S S W E A T E R P L F
O R O L D N C O L D U R L A W
T E A S O Q O A G E M X E N Q
C E C Z B L A W B G I F A K E
H Z Q L X L L U P G T E R E K
O I U S W Y I S M N T N M T K
C N J O C G E Z X O E E U D E
O G B T G T L B Z G N F F H D
L K M T A W J O F A S R F Z J
A B U K B Y S O V L R C S X F
T Z S F V E I Z E E G D C R G
E H I N L S Z C E P S I A J G
I S I C U G I U I R X C F R C
A W L A C O G K W T S V P T Z



WORD LIST

BLANKET
BLIZZARD
COLD

EARMUFFS
EGGNOG
FREEZING

GLOVES
HOT CHOCOLATE
ICE

MITTENS
SCARF
SKATES

SNOW
SNOWMAN
SWEATER



SUMMER

Word Search



WORD LIST

BEACH
CAMP
CARNIVAL

FISHING
FLIP FLOPS
HEAT

ICE CREAM
LEMONADE
MOVIES

OUTDOOR
POOL
RELAX

SUNGLASSES
SUNSCREEN
SWIMMING

Fall Word Search

T H C H I L L Y K S Q M L P T
 R Y P I N E C O N E D T E H Q
 E P M T T Q P R H A E M A N R
 E Y U N Y P I A F S E D V Z F
 S Z L M T R F U Z O W R E A P
 U V W D P A A T R N E E S J J
 R Q J E J K E U P E T D B B K
 O S O I X E I M Z U E D T S C
 I R H W B N Y N I M Z S T W N
 H Y A I F H B S X O E Z O G A
 W Q U N D J R W J V G L U A B
 K Q H D G O K P R H L A O Y R
 P V L L E E C A M E D K F C O
 H P M F Y Z H Z Y T A B Z I W
 K A J F O O T B A L L J I N N

AUTUMN
BROWN
CHILLY

FOOTBALL
HARVEST
LEAVES

ORANGE
PINE CONE
PUMPKIN

RAKE
REAP
SEASON

TREES
WIND
YELLOW

CHILLY
BROWN
AUTUMN

LEAVES
HARVEST
FOOTBALL

PUMPKIN
PINE CONE
ORANGE

SEASON
REAP
RAKE

YELLOW
WIND
TREES

Write down all the words that come into your mind when you hear the word “weather”.

Create a WORD TRAIN.

The last letter of a previous word should be the first letter of a new word.

Train can take any form: be round, square, maze-like, snake-like, etc.

Be creative.

Compare your snail train your friends`.

For Example:

WeatheRainSnoW.....

WeatheRainSnoW

WeatheRainSnoW

EDUCATION



Unit 6

To play online, scan the QR codes.



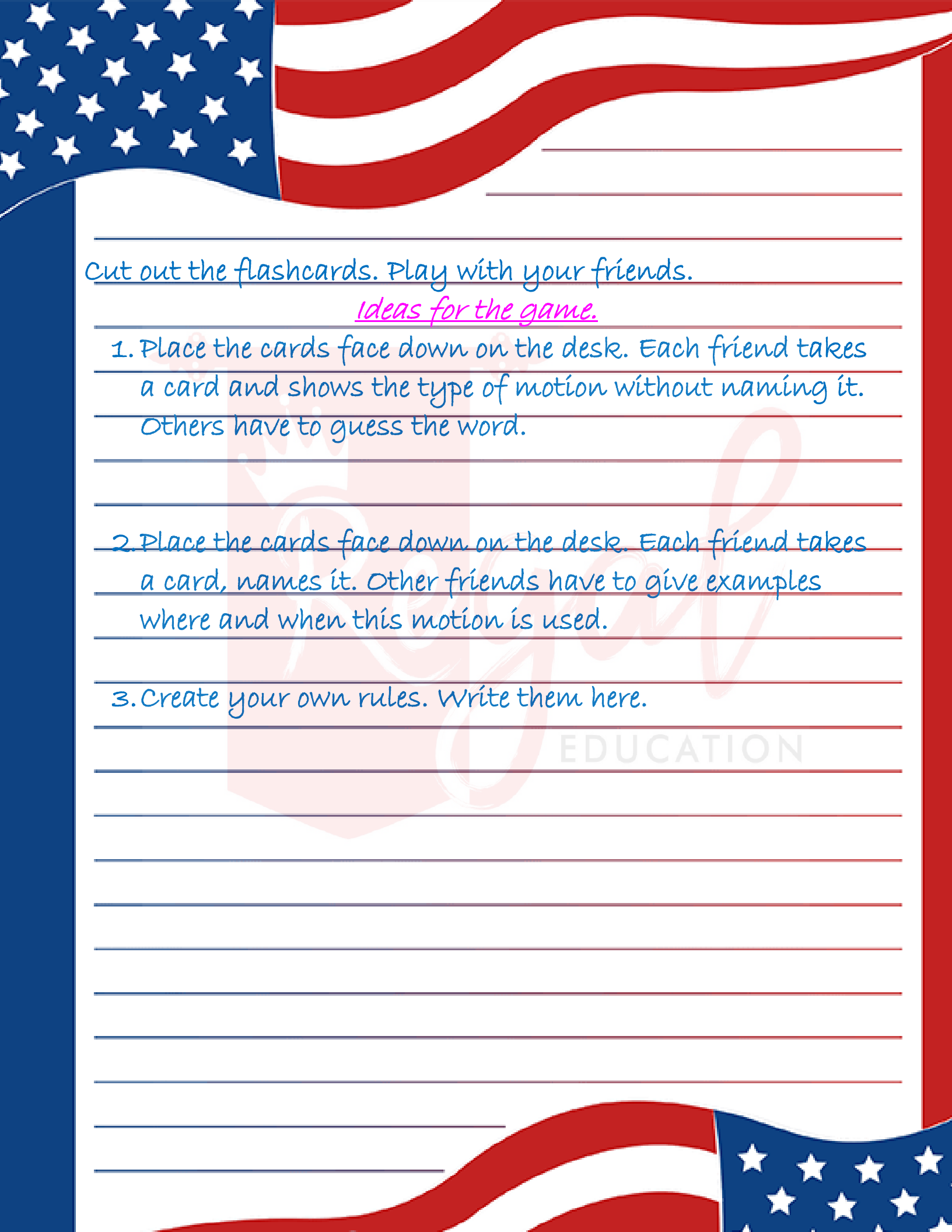
	push	pull
	push	pull
	push	pull
	push	pull
	push	pull

Circle the correct answer. What kind of force is applied?

Circle the correct answer. What kind of force is applied?



	push	pull
	push	pull
	push	pull
	push	pull
	push	pull

An American flag graphic is positioned at the top left of the page, with its stars and stripes extending across the top and down the left side. The stripes are red and white, and the stars are white on a blue background.

Cut out the flashcards. Play with your friends.

Ideas for the game.

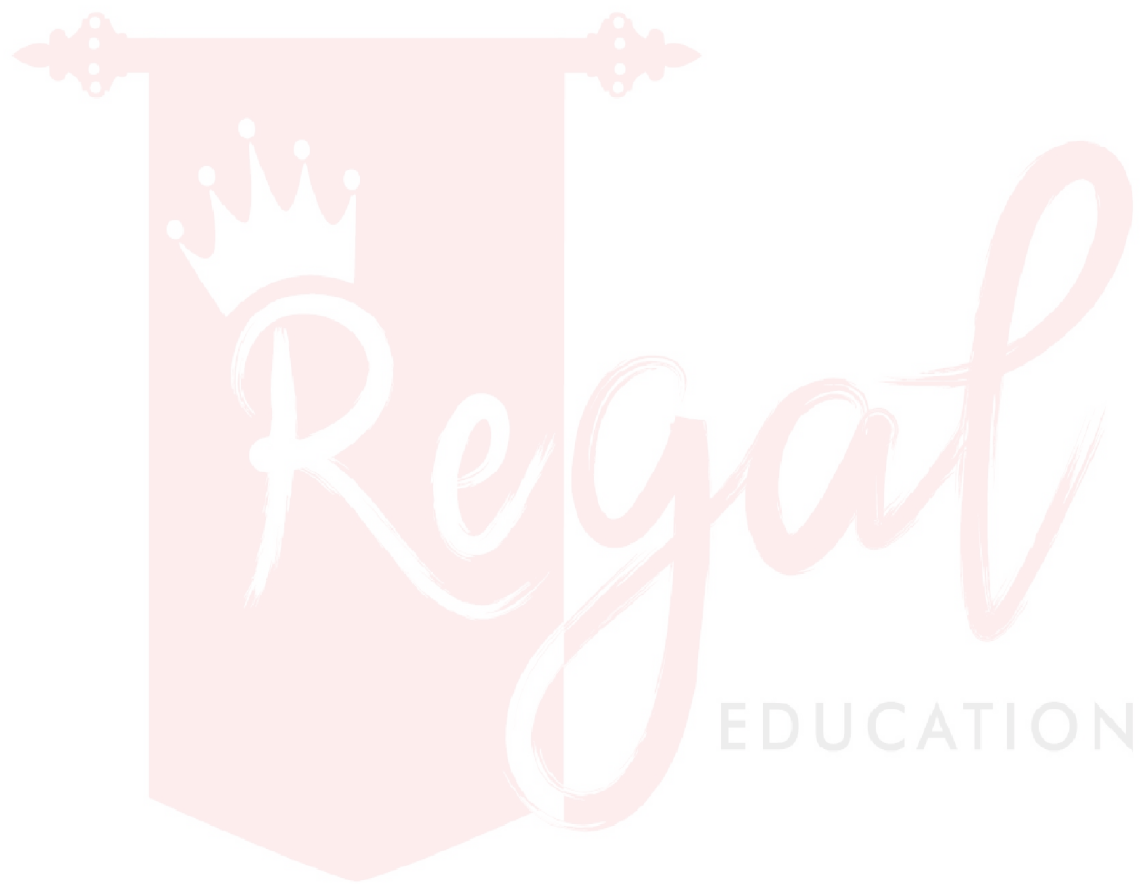
1. Place the cards face down on the desk. Each friend takes a card and shows the type of motion without naming it. Others have to guess the word.

2. Place the cards face down on the desk. Each friend takes a card, names it. Other friends have to give examples where and when this motion is used.

3. Create your own rules. Write them here.

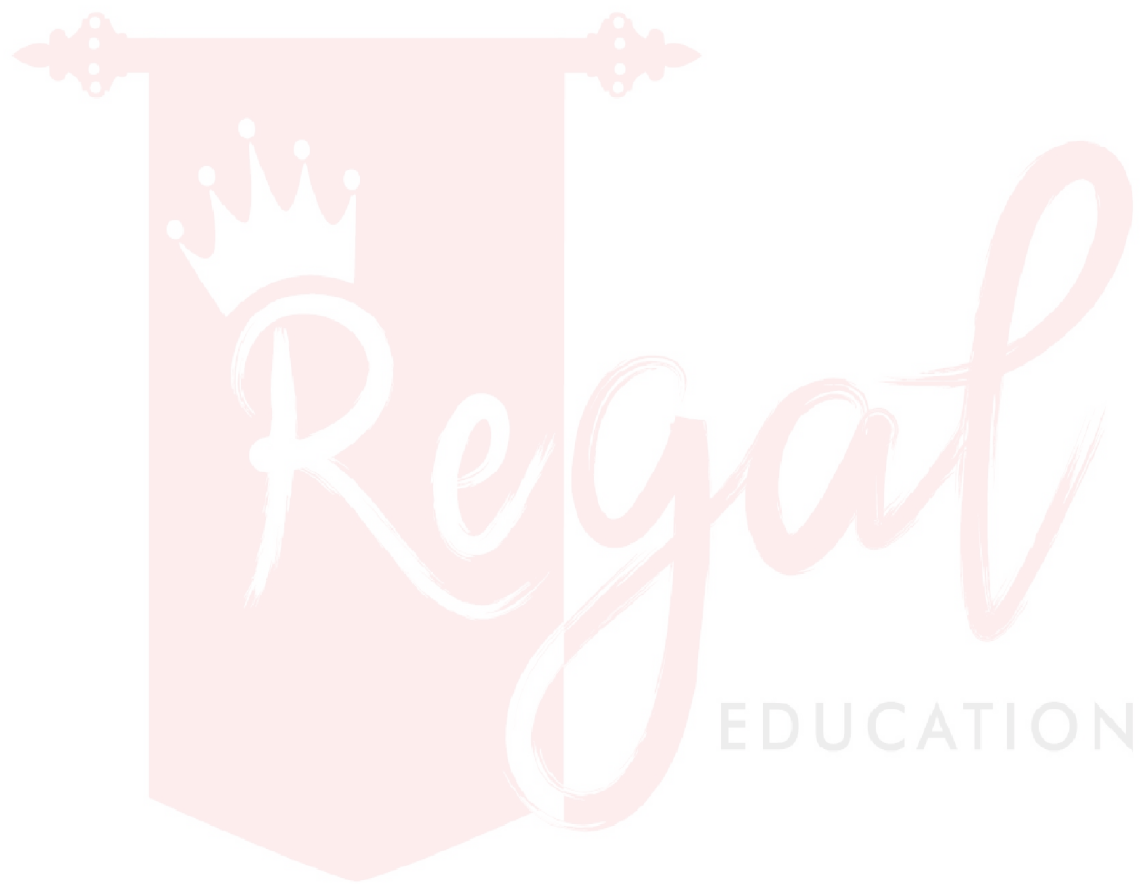
EDUCATION

throw	roll
toss	twist
turn	zig zag
slide	swing
fast	quick
slow	spin
go	stop

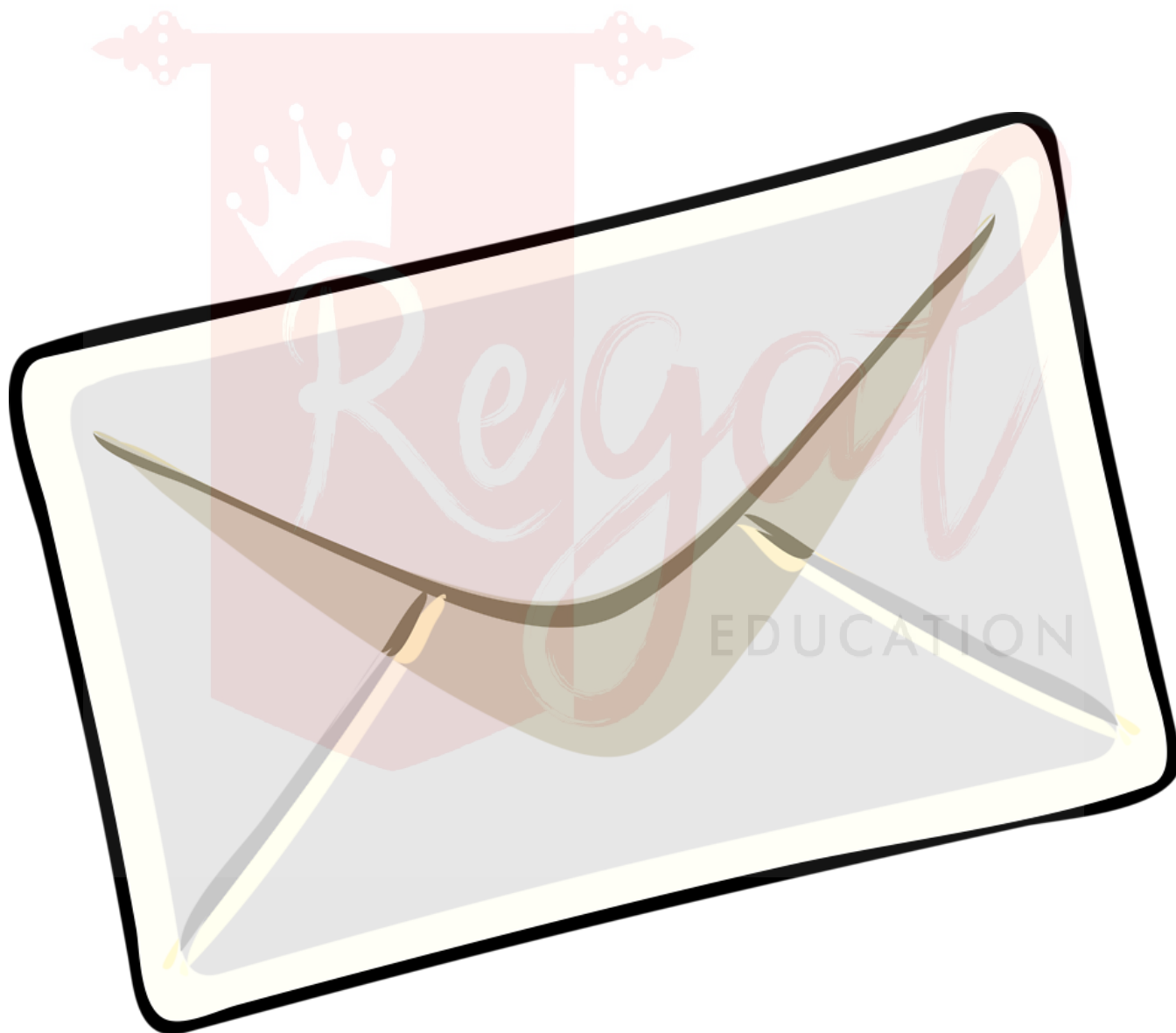


jump	hop
bend	lift
rock	drop
stretch	skip

EDUCATION



Glue an envelope for the flashCards here.



Think
outside
the box.

Match the picture to the machine which is similar.
Compare these things on the following:

1. Motion.
2. Speed.
3. Type of force



Long neck of a giraffe



Eyes of a fly



Beak of a kingfisher



Tail of a dragonfly

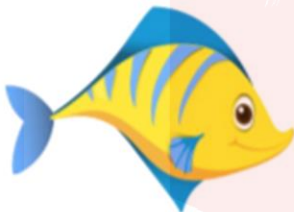




Hard shell of a turtle



Hump of a camel



Tail of a fish



Wings of a bird



Think
outside
the box.

Unit 7

To play online, scan the QR codes.

STATE OF MATTER



SOLID



LIQUID



GAS

COOL

HOT



Are these objects solid, liquid and gas?



The TV is _____



The wind is a _____



The milk is _____



The table is _____



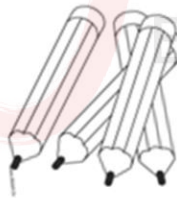
The can is _____



The balloons are full of _____



The rain is _____



The pencils are _____



The hot air balloons are full of _____



The lemonade is _____



Circle the liquids. Cross out the solids.



EDUCATION

Circle the liquids. Cross out the solids.



Circle the things that will float and draw a box around things that will sink.

Why can some big things float and some small things sink? What does it depend on?



Circle the things that will float and draw a box around things that will sink.

Why can some big things float and some small things sink? What does it depend on?



Do a short research.

Write down the names and draw all the things around you that are:

GAS

LIQUID

EDUCATION

SOLID

Unit 8

Sound and Pitch.

To play online, scan the QR codes.



For each picture, write an L if the sound is loud or an S if the sound is soft. Cross out any object that doesn't make any sound.



For each picture, write an L if the sound is loud or an S if the sound is soft. Cross out any object that doesn't make any sound.



EDUCATION



Circle the animals that make loud sounds.

Underline the animals that make soft sounds.



RHINOSAURS



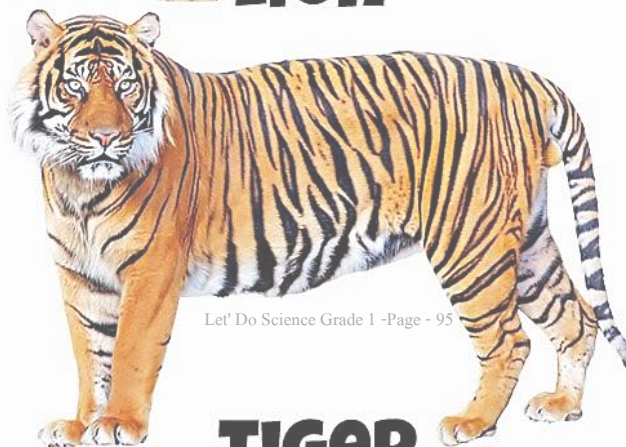
LION



ELEPHANT



DEER



TIGER



BEAR

Write an H beside objects that make a high-pitched sound. Write an L beside objects that make a low-pitched sound.



Write an H beside objects that make a high-pitched sound. Write an L beside objects that make a low-pitched sound.



Look at the picture. Write an H beside objects that make a high-pitched sound. Write an L beside objects that make a low-pitched sound.



Fill in the blanks with words from the word bank.

low

high

soft

loud

shakes

sounds

When something _____ very fast, we say it vibrates.

When something vibrates, it often makes _____.

Sounds can be _____ like a dog barking beside you.

Or sounds can be _____ like someone whispering.

A whistle makes a sound with a _____ pitch.



A drum makes a sound with a _____ pitch.

Unit 9

Match the object and its shadow.



Match the object and its shadow.



Match the object and its shadow.



Find the correct shadow for each object.



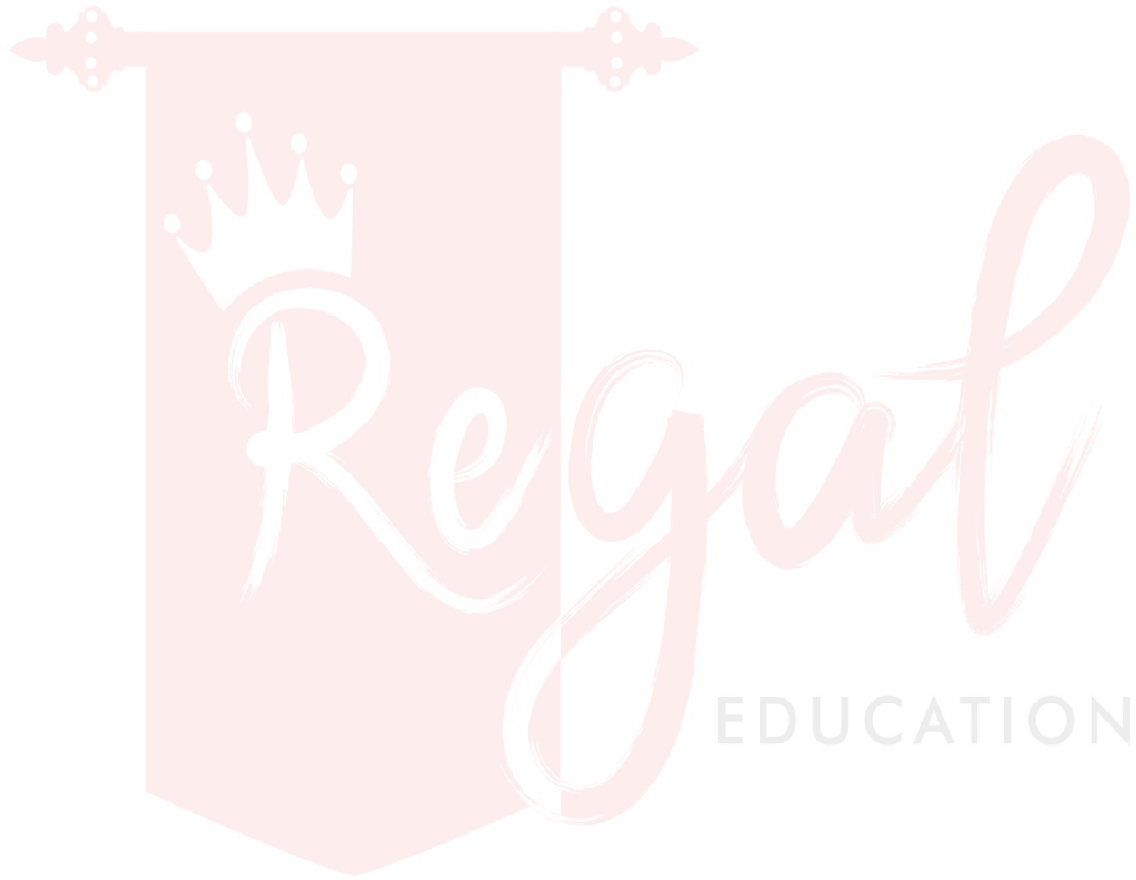


Write down 10 facts that you learned about light.

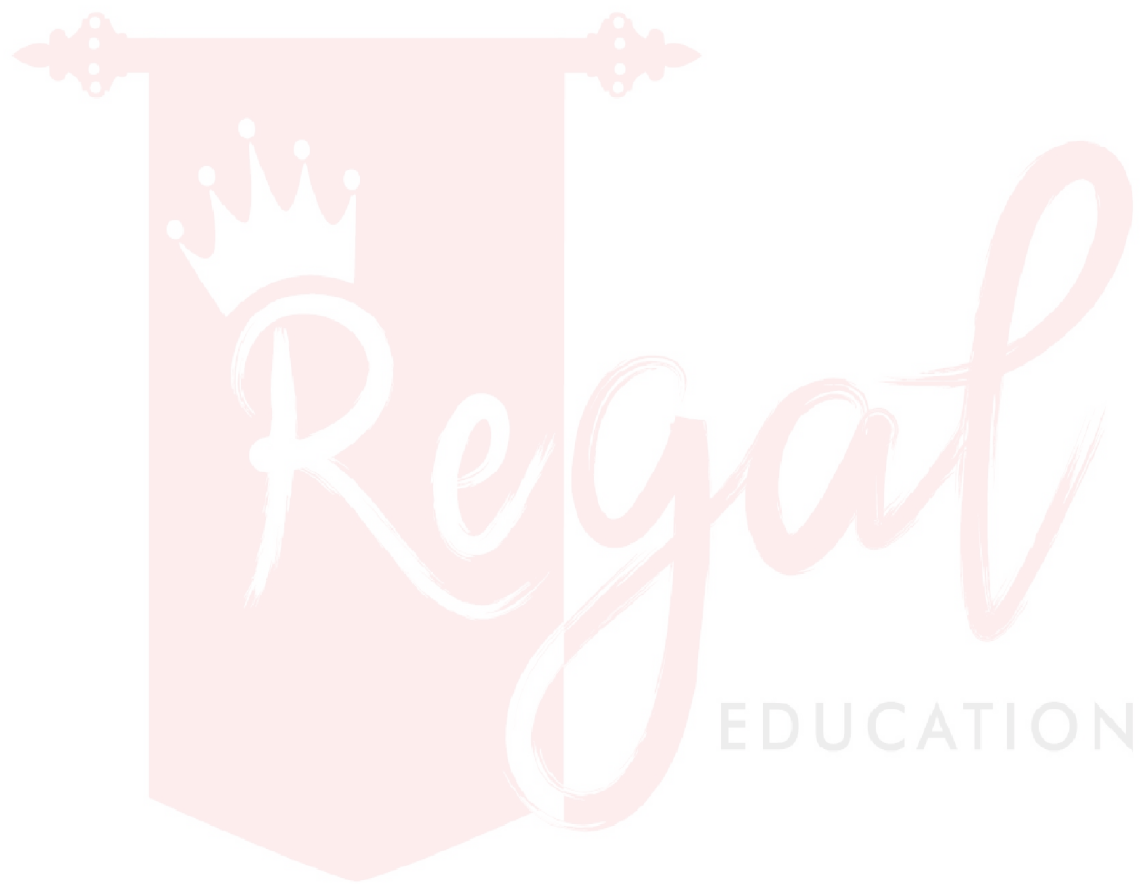
Compare your notes with your friends.



My Notes











Regal Education Inc. presents publications which adopt the **United States Next Generation Science Standard (NGSS)** which represent the next generation of K–12 standards designed to prepare all students for success in college (including SAT, and ACP), career, and life by the time they graduate from high school.

Let's Do Science engages students with a highly visual presentation of the disciplinary core ideas and places emphases on applying scientific knowledge in everyday life. The main goal of **Let's Do Science** is to provide students with essential knowledge on the world and the universe, to promote the use of best learning practices and cutting-edge technologies in educational process. Learners who use **Let's Do Science** enjoy abundance of scientific investigations, practices, and visual presentations, that make the process of learning easy and captivating.

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.

You are preparing for a Space Mission with your friends. What will you need? Work alone or with friends. Compare your answers with other groups.

Things you need to think of.

1. Destination (where you go)
2. The crew (people you go with).
3. Essentials (what you MUST have with you).
4. Any other things you consider important.

Write down all the words that come into your mind when you hear the word "weather".

Create a WORD-SNAIL.
The last letter of a previous word should be the first letter of a new word.
Snail can take any form: be round, square, maze-like, snake-like, etc.
Be creative.
Compare your snail with your friends'.

For Example:
WeatherRainSnow.....

WeatherRainSnow

WeatherRainSnow

Name our parts.

Study the names of animals and their young ones. On the following pages sign each pair. Compare with your friends.

Unit 3

alligator and hatchling	kangaroo and joey
bear and cub	shark and pup
elephant and calf	tiger and cub
cat and kitten	turtle and hatchling
cow and calf	raccoon and kit
rabbit and kit	snake and snakelet
snowy owl and owlet	sloth and baby sloth
wolf and pup	eagle and eaglet
beluga whale and calf	panda and cub
musk and calf	otter and pup
polar bear and cub	giraffe and cub
fox and cub	lion and cub
	meerkat and cub

