

Let's Do **SCIENCE**

Grade 2 Gamebook



Let's Do SCIENCE

Grade 2 Gamebook

Name: _____

Class: _____

EDUCATION



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Let`s Do Science Gamebook Grade 2

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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.

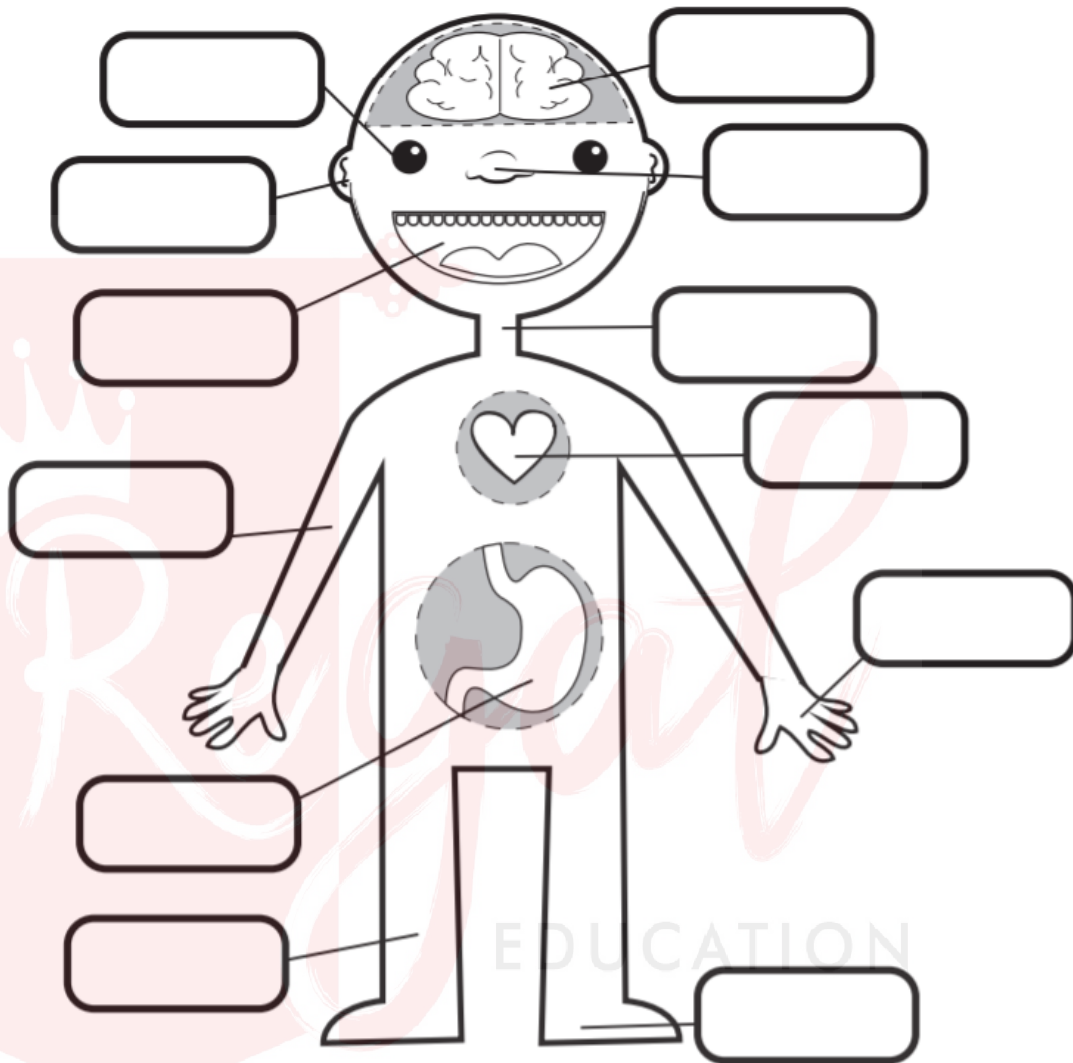
Games offered in this book allow children to use their creativity while:

- ✓ 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

Match the labels to the parts of the body.



NOSE

EYE

HEART

ARM

NECK

LEG

HAND

BRAIN

FOOT

MOUTH

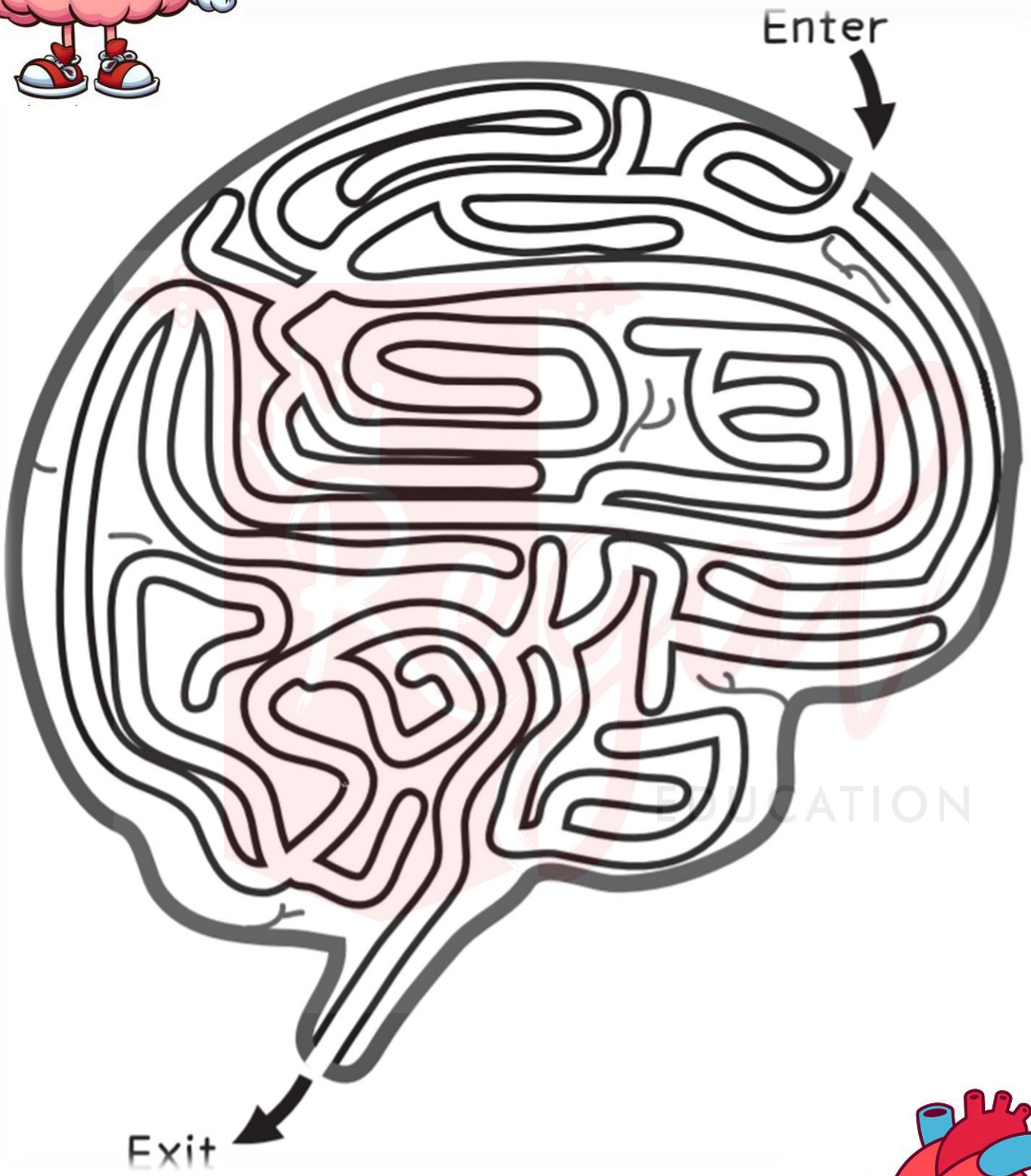
STOMACH

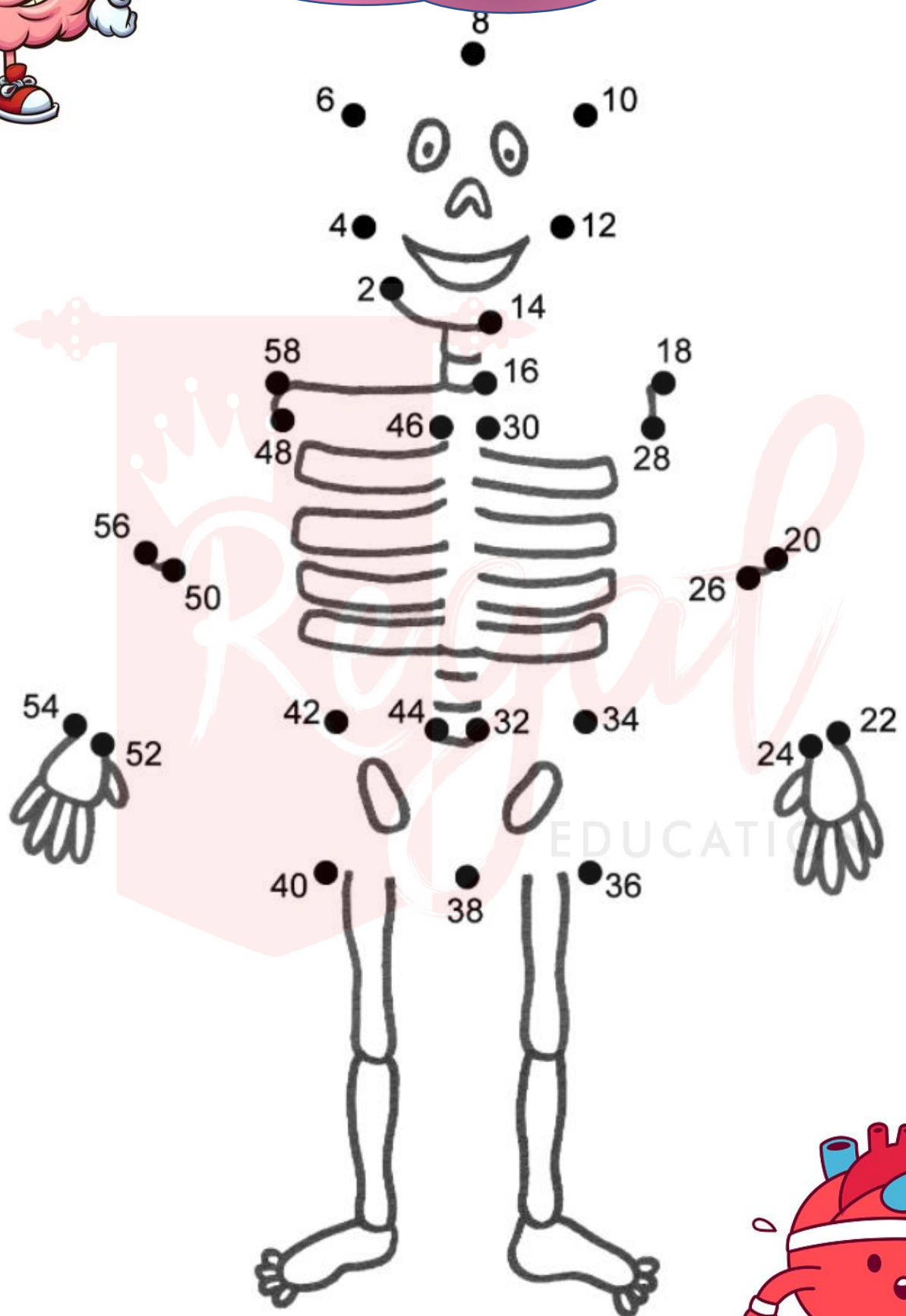
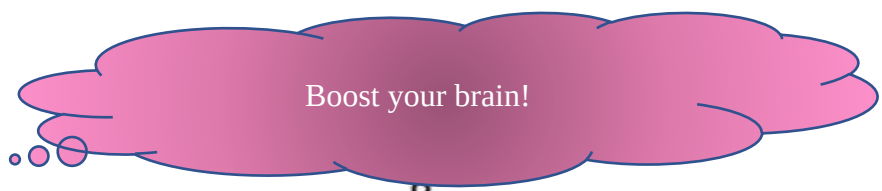
EAR





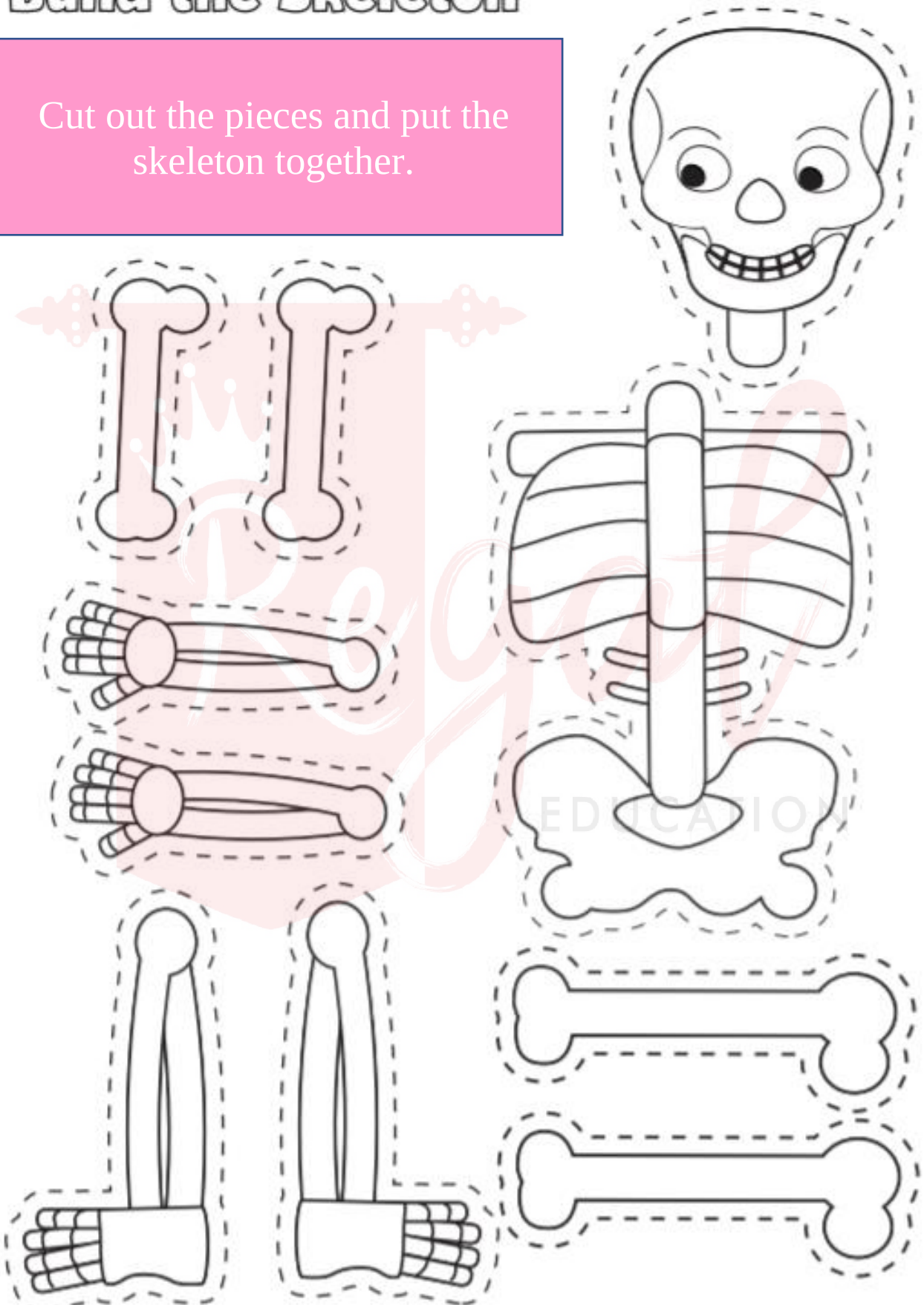
Boost your brain!

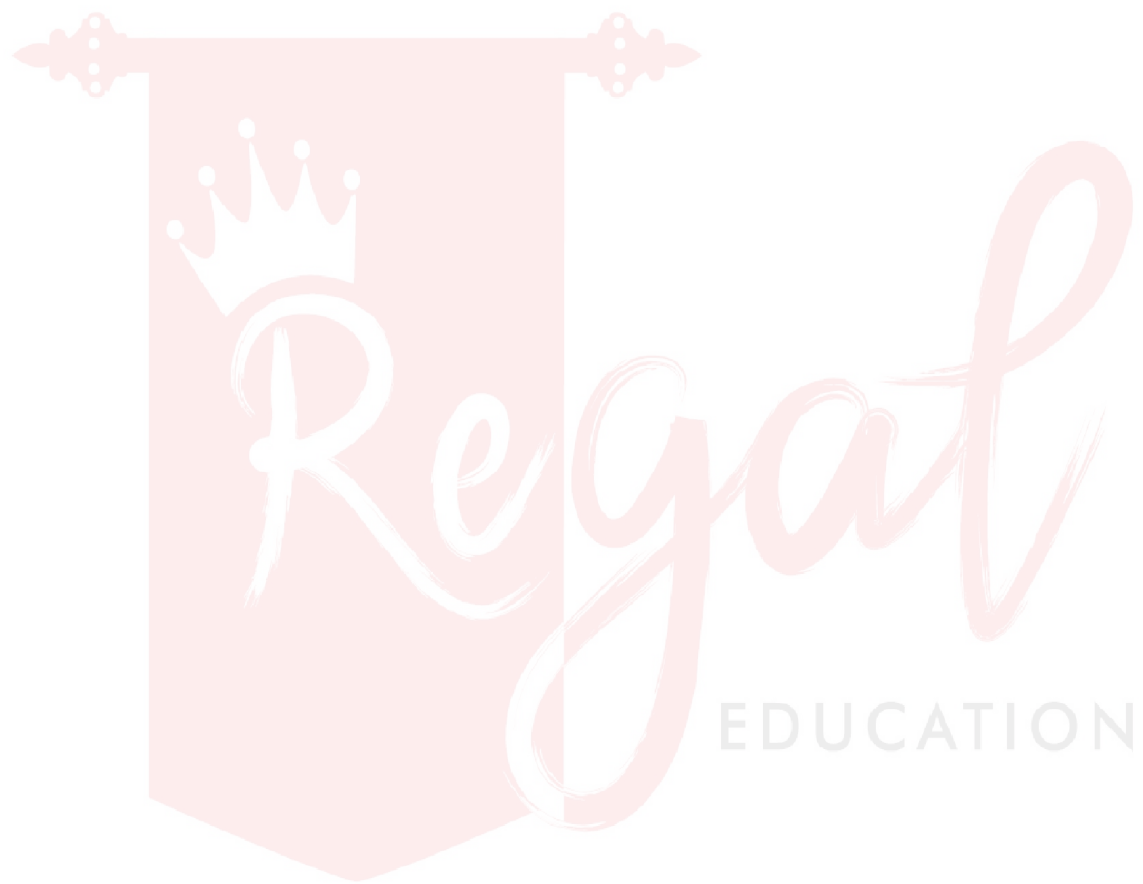




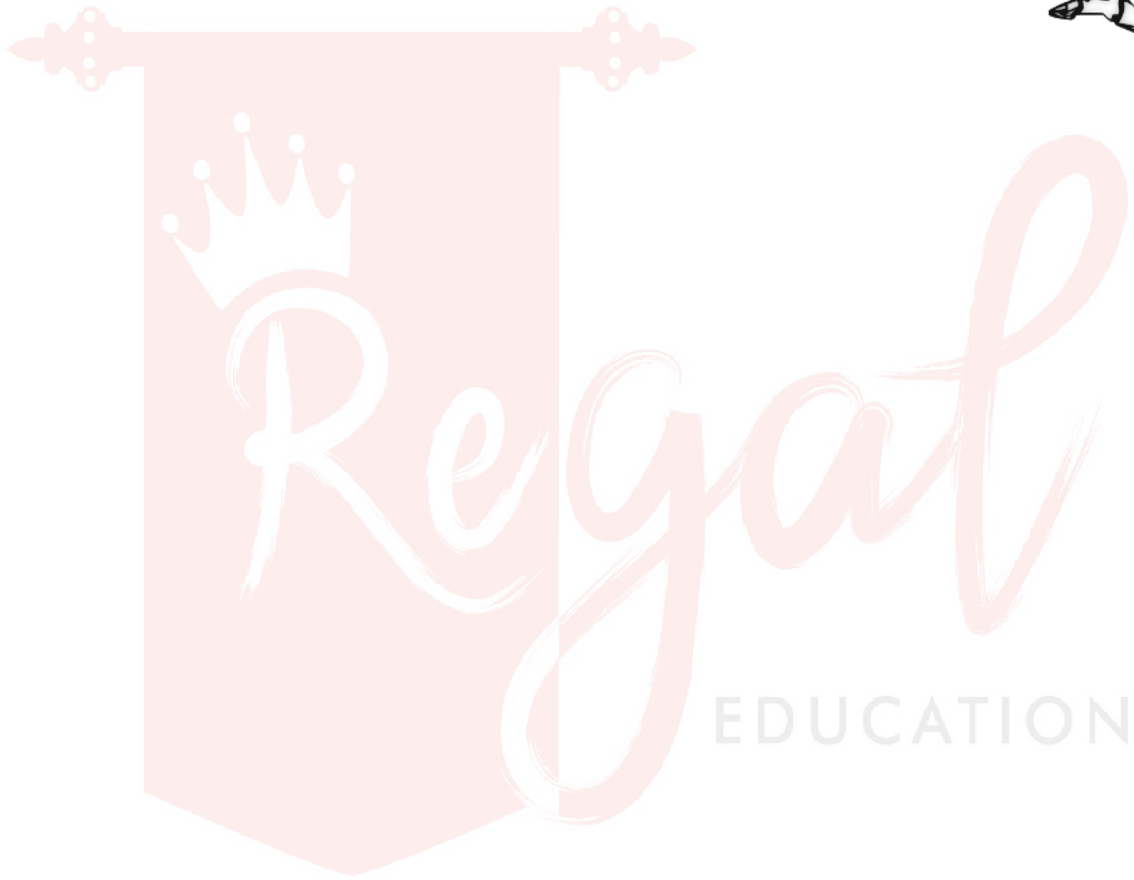
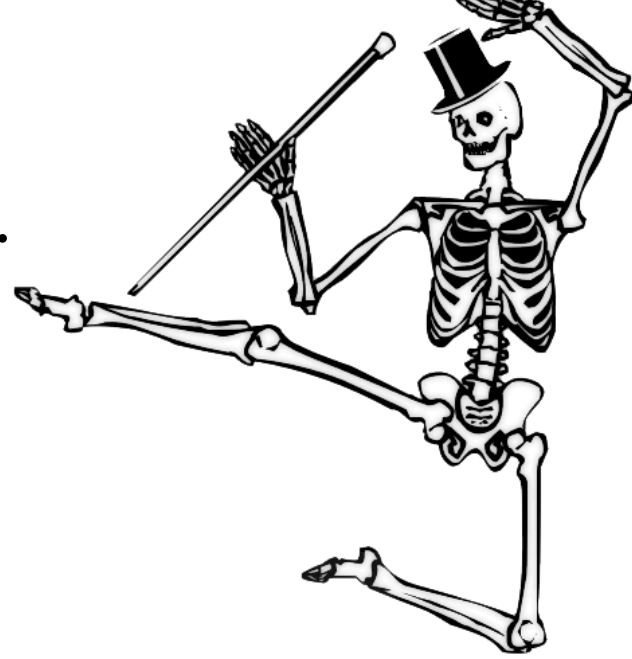
Build the Skeleton

Cut out the pieces and put the skeleton together.





Glue the skelleton here and color it.



Blood
Body
Bones
Brain
Ear

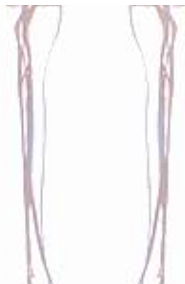
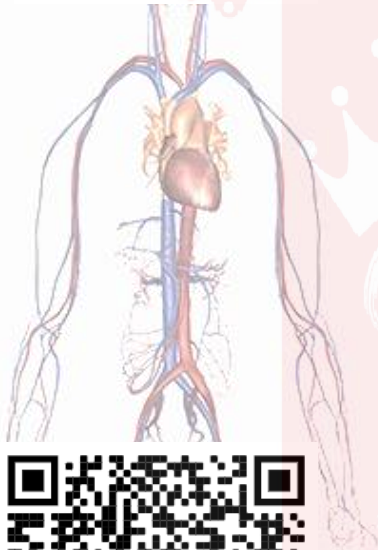
Eyes
Feet
Fingers
Hands
Heart

Mouth
Nose
Stomach
Toes
Tongue



Boost your brain with
the word hunt.

To play online, scan the QR codes.



Unit 2

To play online, scan the QR codes.

Plants and Animals



SCAN ME



SCAN ME



SCAN ME



SCAN ME

Circle the words that describe a forest habitat. Circle the animals that live there. Compare your answers with your friends`.

Empty	Dry	Underwater
Many trees	Rainy	Lots of animals
Mossy	Thick	Damp



Circle the words that describe a desert habitat. Circle the animals that live there. Compare your answers with your friends`.

Cold	Dry	Sparse vegetation
Little precipitation	Snowy	Sandy
Very hot	Empty	Damp

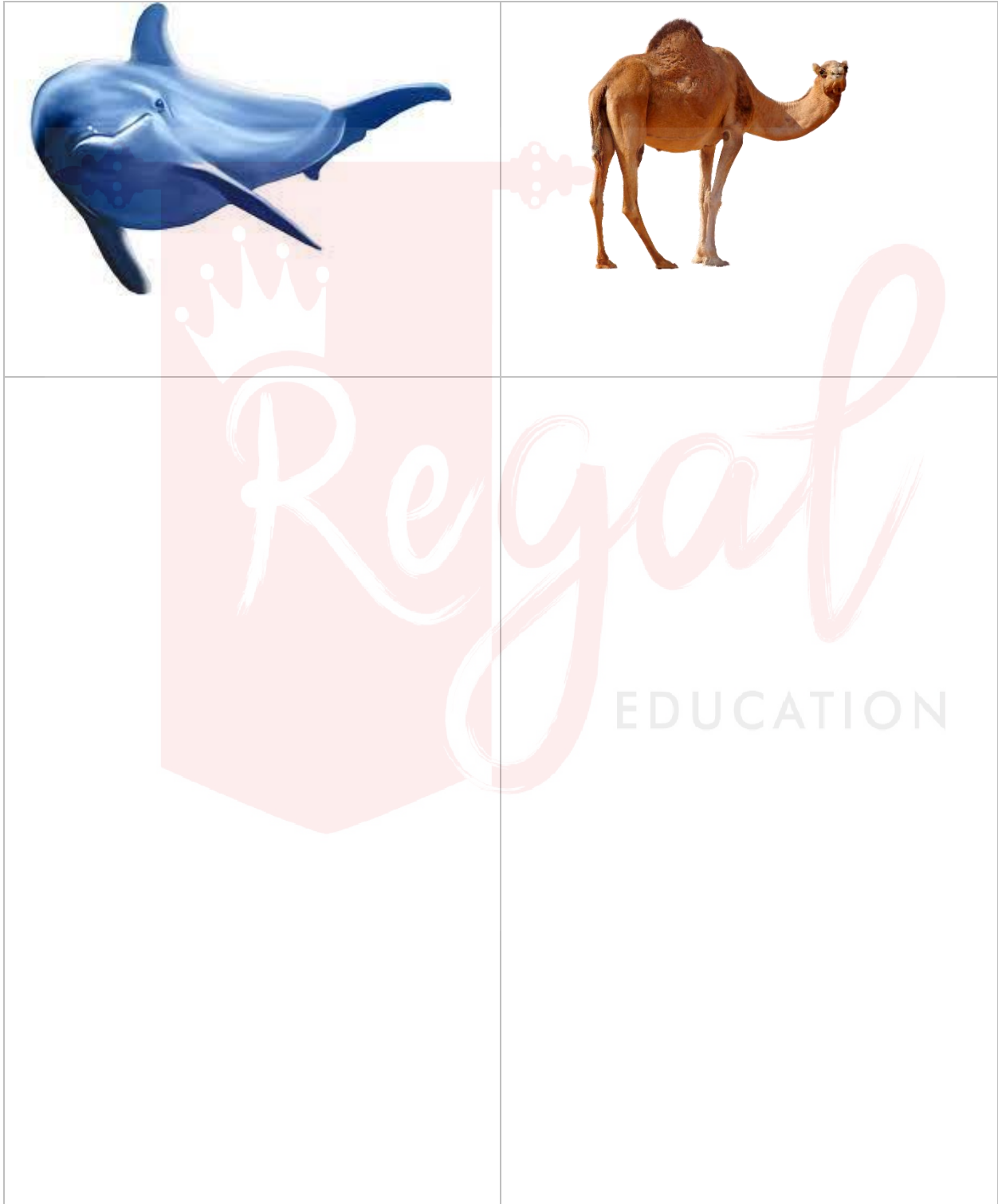


Circle the words that describe a grassland habitat. Circle the animals that live there. Compare your answers with your friends`.

Hot	Glacial	Dry
Mossy	Flat area	Treeless
Vast	Open	Frigid



Write down the features of the dolphin and the camel that allow them to survive in the places they live. Compare your answer with your friends`.



Match the type of the animal with its description and a picture.
Compare your answers with your friends`.

Mammals	Cold-blooded animals that have dry skin covered with scales or bony plates.	 Tortoise
Fish	Cold-blooded vertebrates typically living on land but breeding in water.	 Duck
Reptiles	Tiny animals with hard bodies, 2 antennae and legs. They often have wings.	 Frog
Insects	Warm-blooded animals with fur or hair.	 Fish
Birds	Warm-blooded animals. They have wings and feathers.	 Cat
Amphibians	They live in the water and breathe with gills.	 Butterfly

Amphibians	They live in the water and breathe with gills.	 Butterfly
Birds	Warm-blooded animals. They have wings and feathers.	 Cat

Match the food with the part of the plant it comes from. Compare your answers with your friends`.

Stems

Flowers

Root

Seeds

Leaves

Fruit



Peas



Cabbage



Asparagus



Tomato



Carrot



Broccoli

Match the food with the part of the plant it comes from. Compare your answers with your friends`.

Stems

Flowers

Root

Seeds

Leaves

Fruit

Cauliflower

Potato

Eggplant

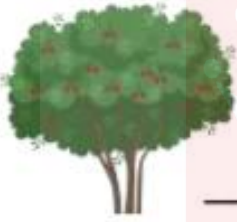
Lettuce

Corn

Celery

Match the tree (or vine) with the fruit. Name the fruit. Compare your answers with your friends`.

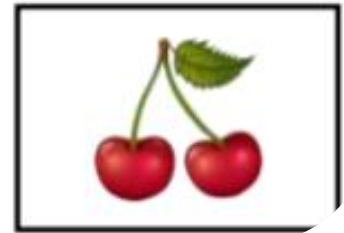














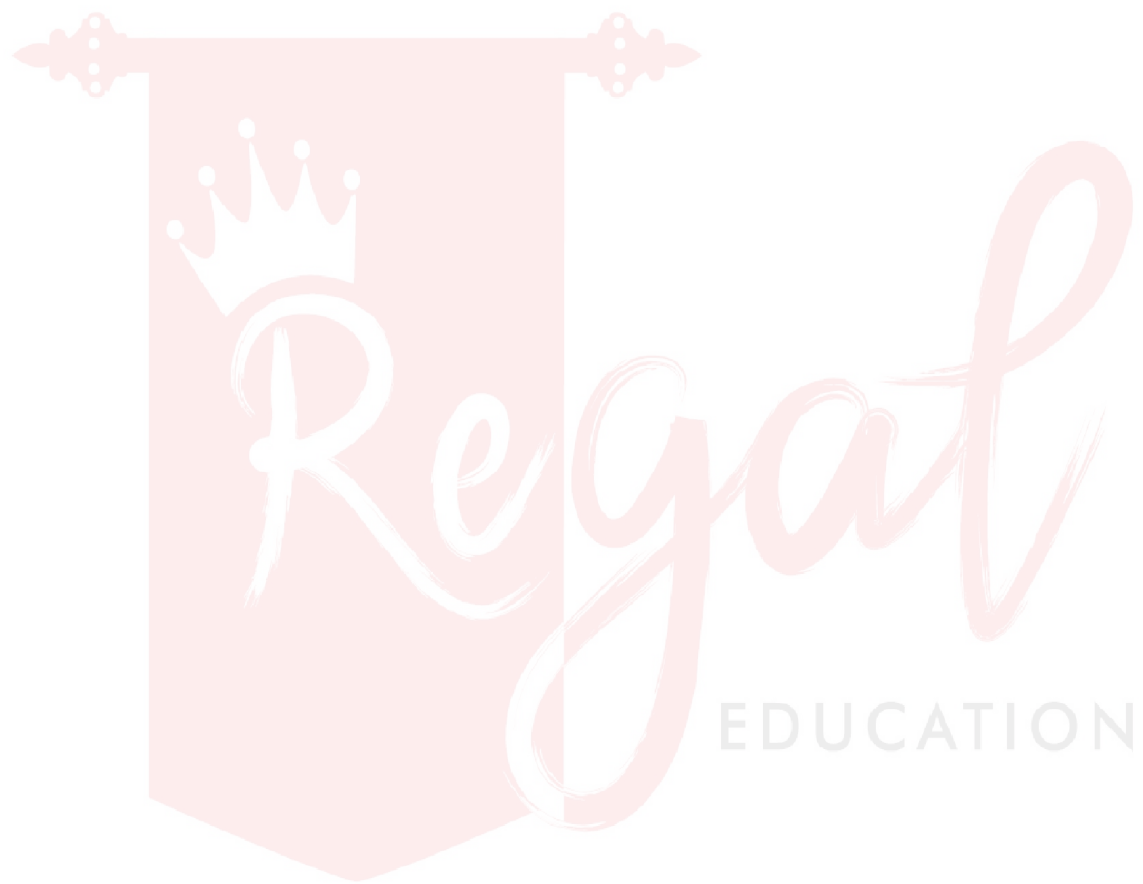
- ✓ Cut out the vocabulary cards.
- ✓ Check how many words you remember.
- ✓ At the back of each card write down any information you find to be important about this word.
- ✓ Compare your notes and your friends`.
- ✓ Play with your friends.
- ✓ Mix all the cards together.
- ✓ Draw (take) a card. Read the word and try to guess what is written at the back of a card.
- ✓ Read what is written at the back of a card and try to guess a word.
- ✓ *You can make up your own rules.*

Mammal

Insects

Birds

Flowers



Roots

Fruits

Reptiles

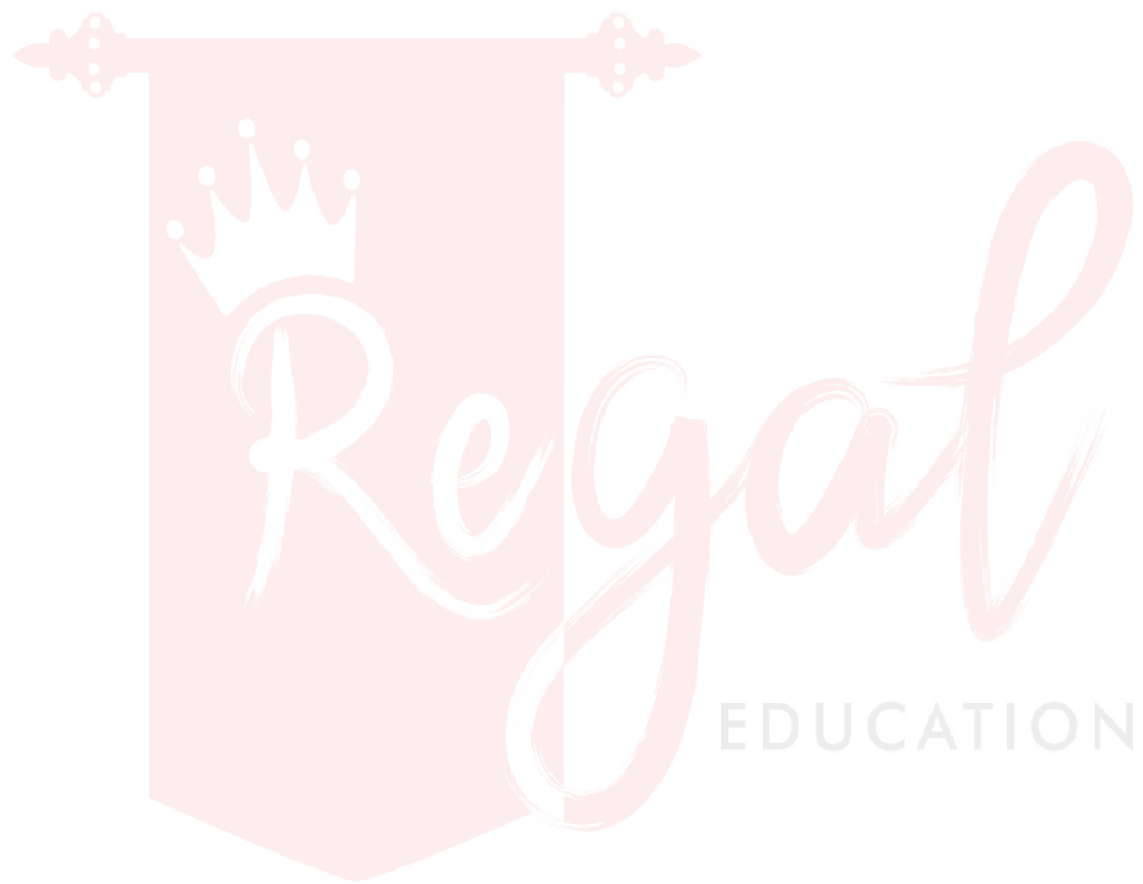
Stem

Pollination

Amphibians

Leaves

**Seed
Dispersal**



Fish

Habitat

Desert

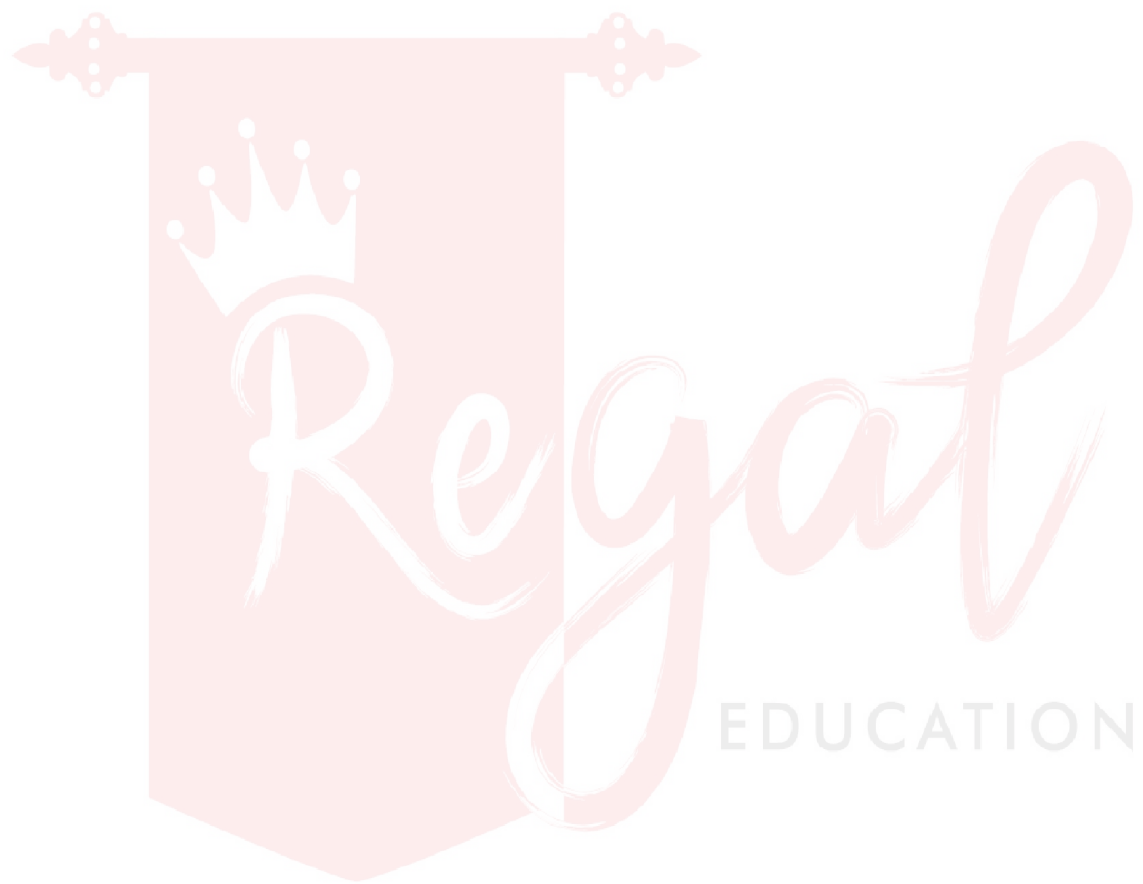
Lake

Diversity

Tundra

Wetland

**Temperate
Forest**



Savanna

Ocean

**Tropical
Rainforest**

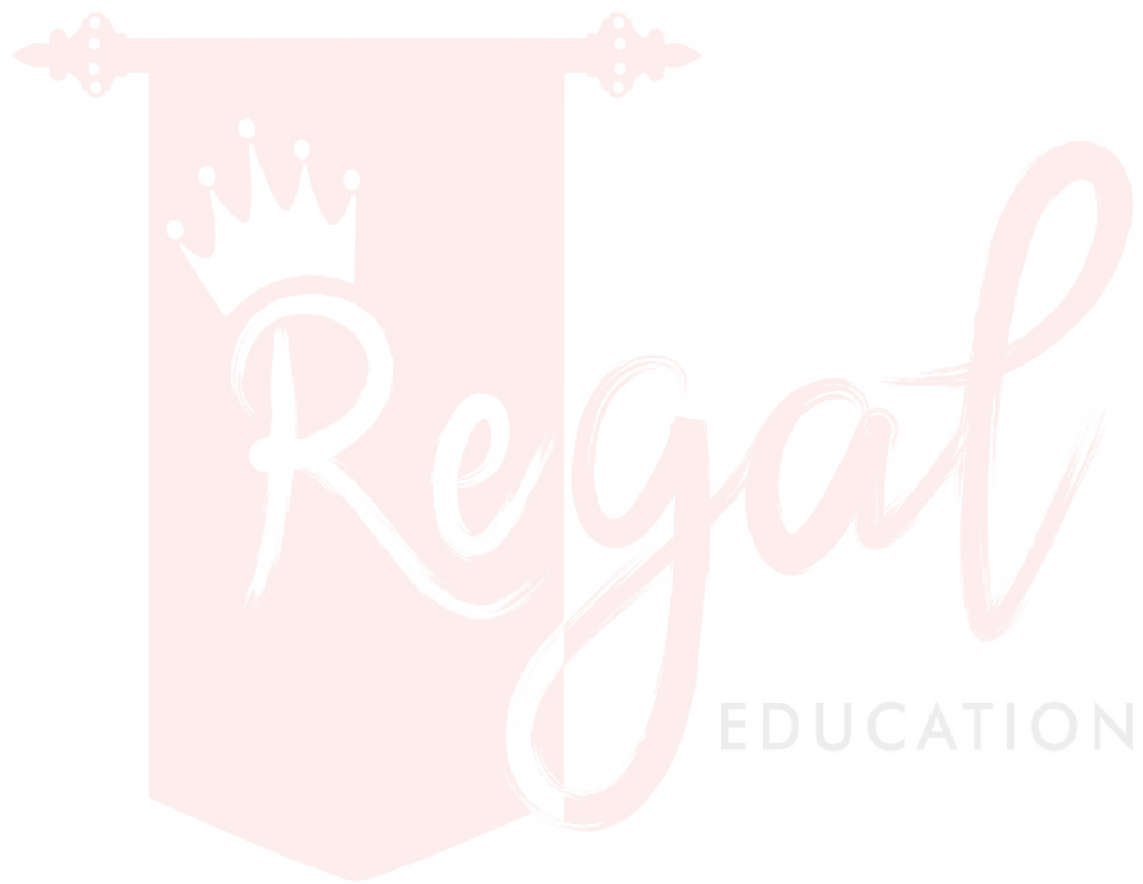
Pond

River

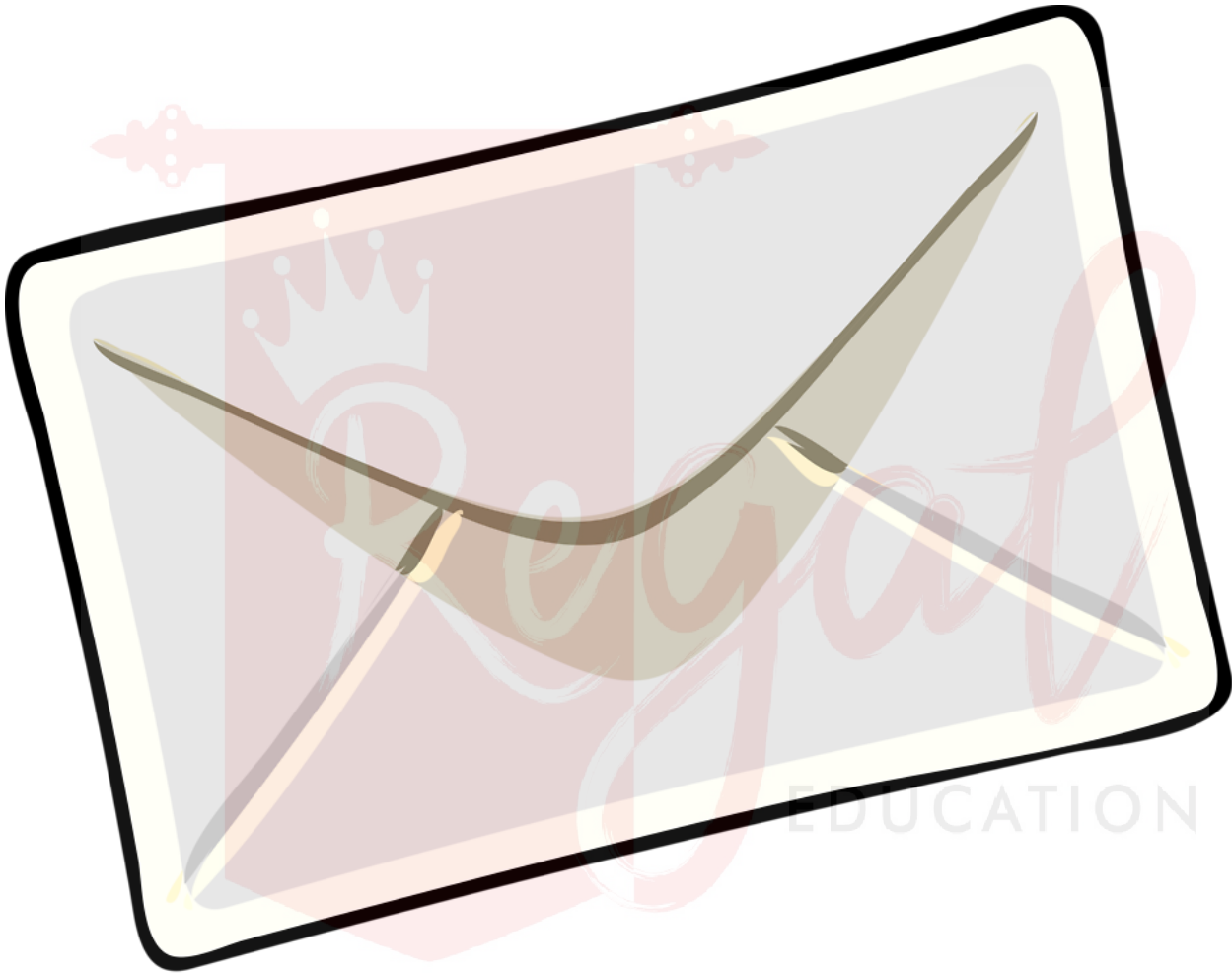
Sunlight

Wetland

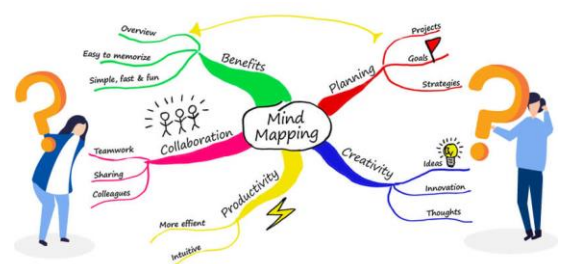
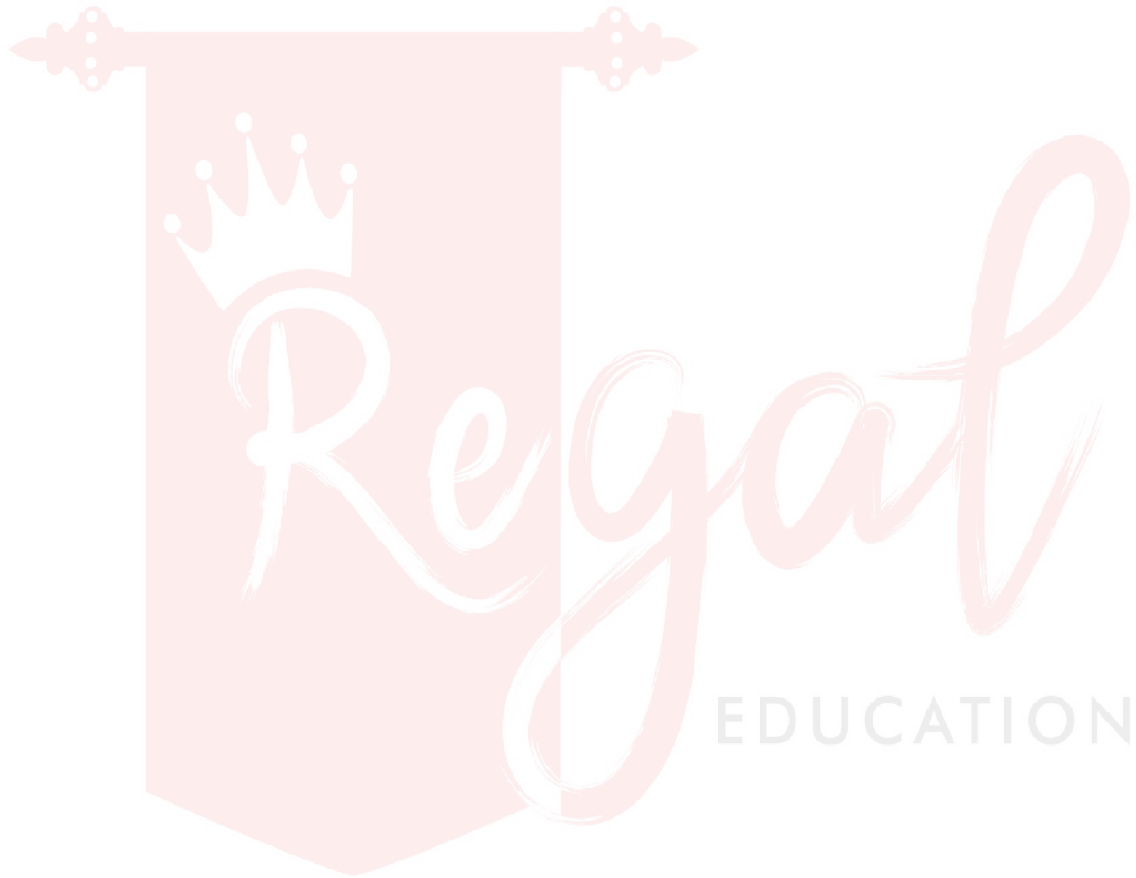
Tundra



Glue an envelope for the flashcards here.



Create a mindmap of the most important things you have learned. You can work alone or with friends. If you don't know how to make a mindmap, scan the QR code.



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Unit 4

- ✓ Cut out the vocabulary cards.
- ✓ Check how many words you remember.
- ✓ At the back of each card write down any information you find to be important about this word.
- ✓ Compare your notes and your friends'.
- ✓ Play with your friends.
- ✓ Mix all the cards together.
- ✓ Draw (take) a card. Read the word and try to guess what is written at the back of a card.
- ✓ Read what is written at the back of a card and try to guess the word.
- ✓ Make up your own rules. Write them down.

EDUCATION

Volcano

Flood

Tornado

Erupt

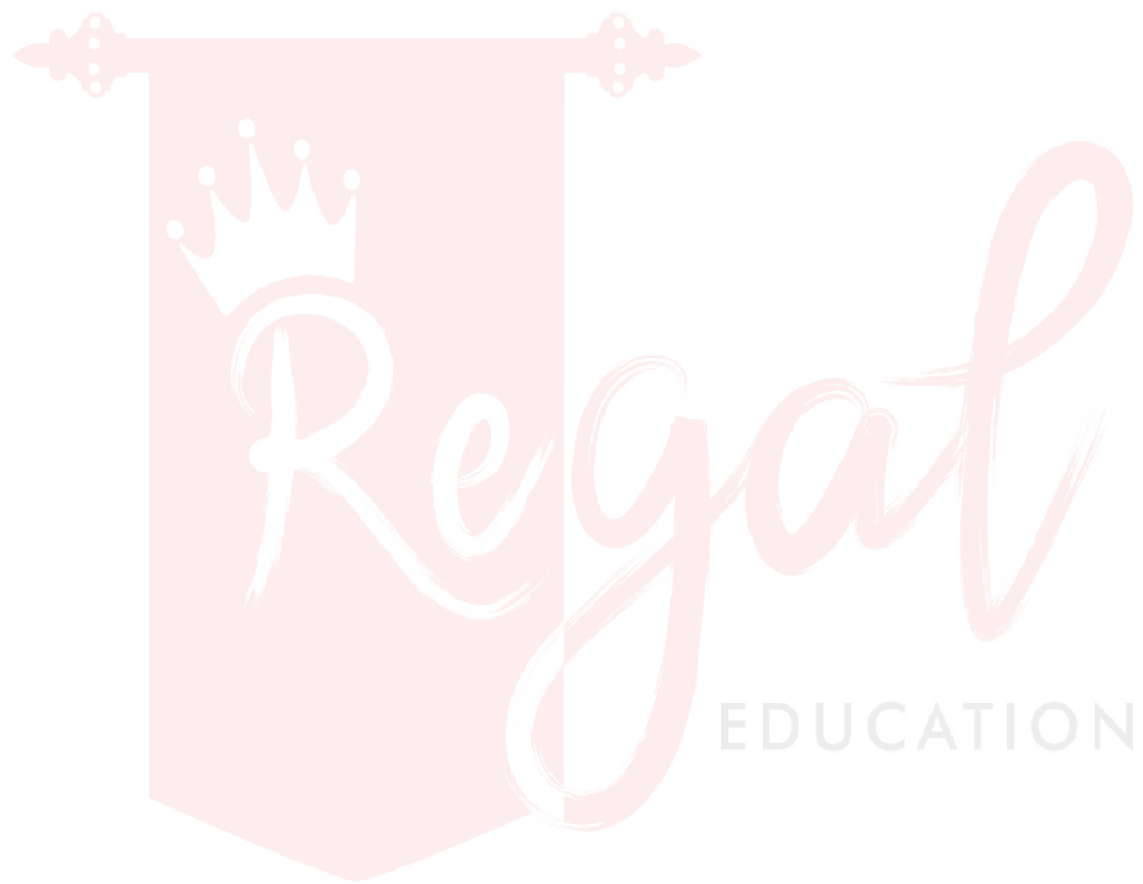
Landslide

Weathering

EDUCATION

Magma

Thunderstorm



Erosion

Lava

Wildfire

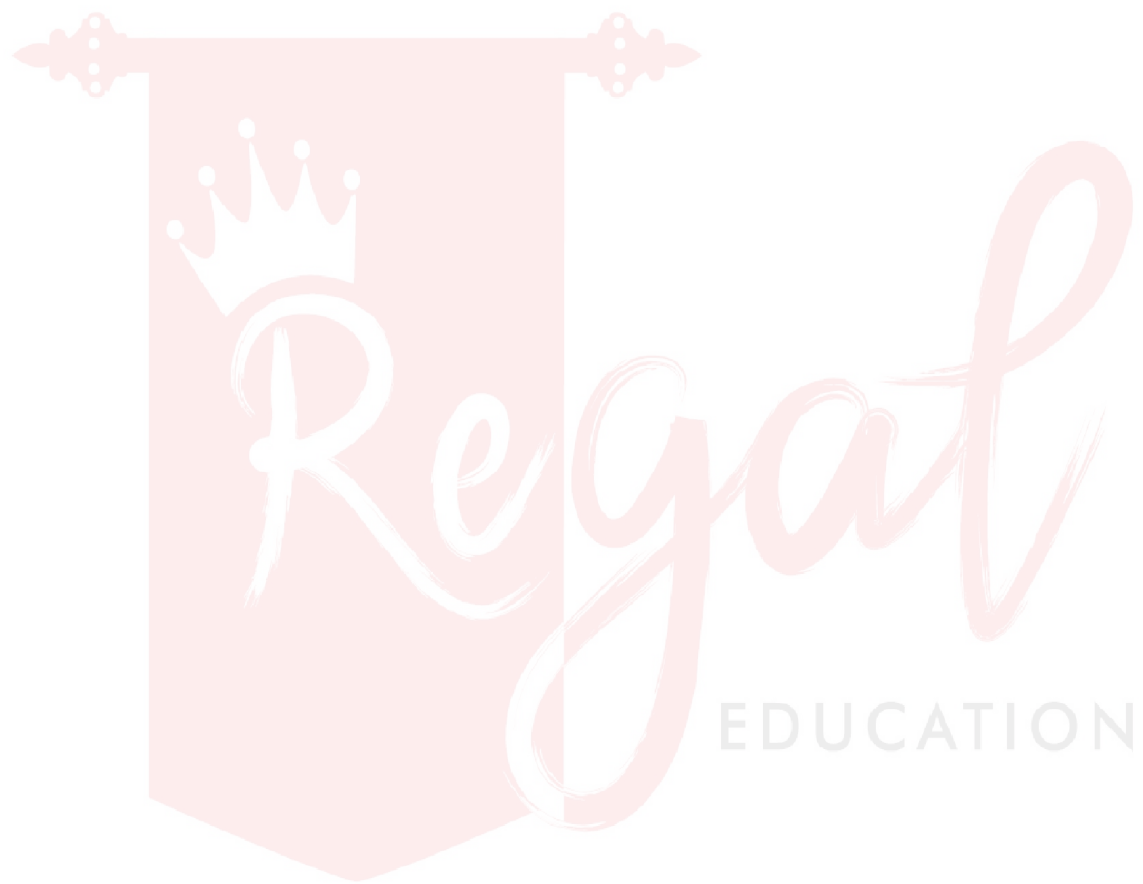
Deposition

Earthquake

Hurricane

**Land
Reclamation**

Tsunami



Weathering, erosion, and deposition.

Fill in the blanks.

Drop Break Move

Weathering: _____ it!

Wind, water, and other causes break rocks into smaller pieces.



Erosion: _____ it!

Water, wind, and gravity move the pieces.



Deposition: _____ it!

Pieces are dropped in a new place.



Identifying the change

Write weathering, erosion, or deposition.

- ✓ Rain washes soil away from a farm field. Waves add sand to a beach. _____
- ✓ Bits of dirt fall to the bottom of a lake. _____
- ✓ Plant roots grow into a crack and break apart a rock.

- ✓ Glaciers slowly wear away rocks as they move.

- ✓ Part of a cliff falls into the sea. _____
- ✓ Waves tumble rocks until they are round and smooth.

- ✓ Mud and rocks roll down a hill in a landslide.

- ✓ Water in a rock freezes and expands, cracking the rock.

- ✓ A river slows down and drops soil to form a delta. _____

Write down Key Words and most important Ideas

Weathering: Break it!

Deposition: Drop it!

EDUCATION

Erosion: Move it!

Compare
your answers
with your
friends`.

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SCAN ME



SCAN ME

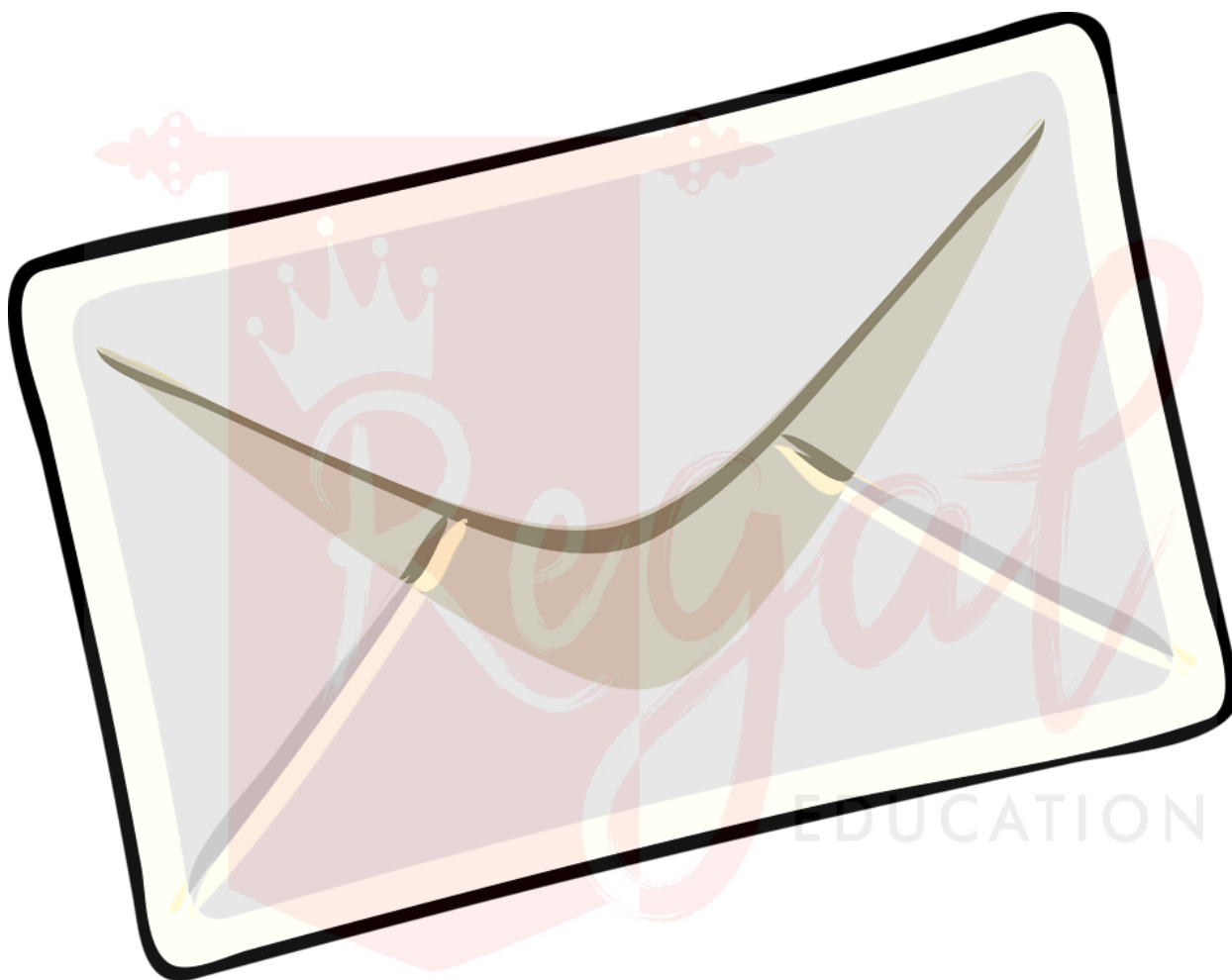


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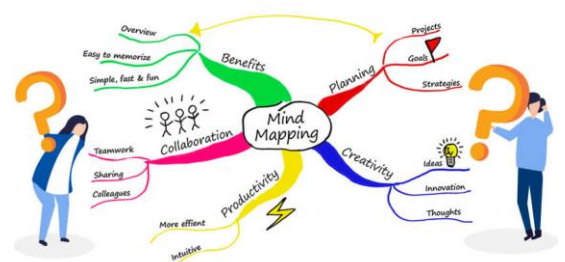
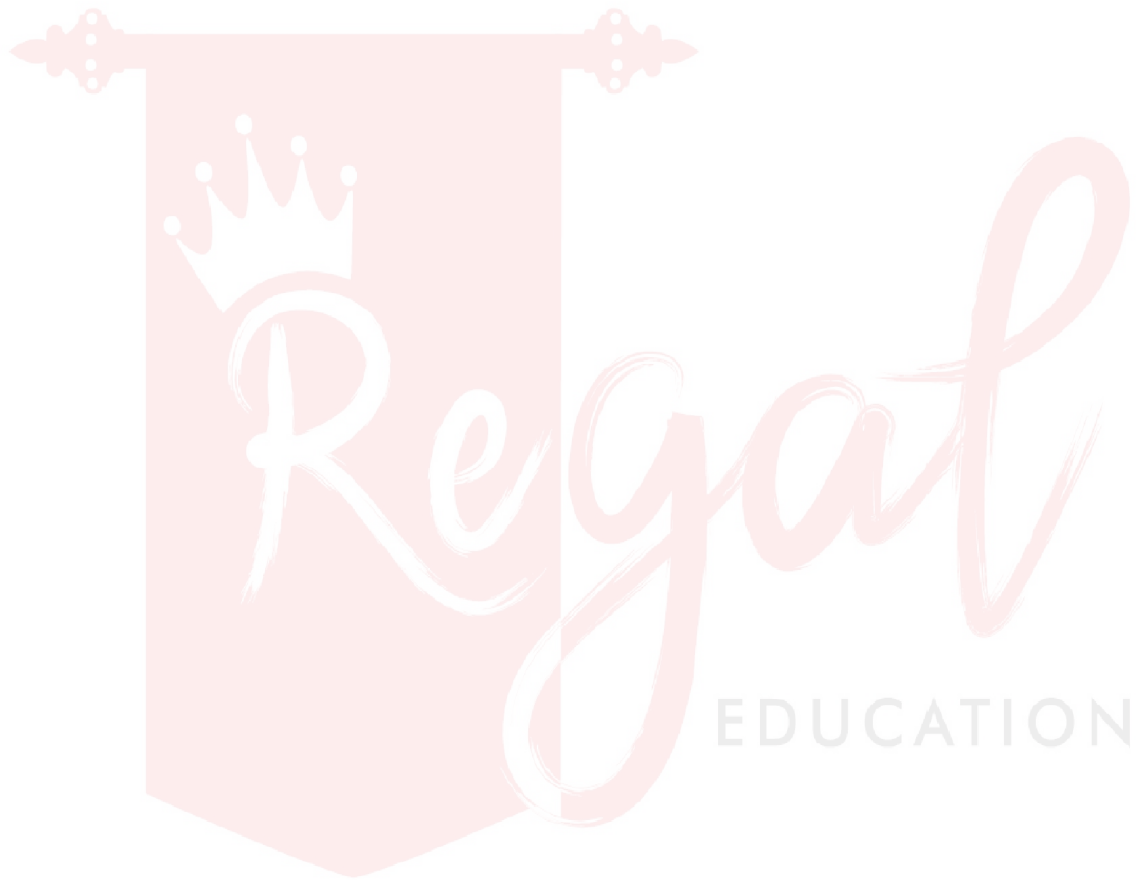


SCAN ME

Glue an envelope for the flashcards here.



- ✓ Create a mindmap of the most important things you have learned. You can work alone or with friends. If you don't know how to make a mindmap, scan the QR code.



Unit 5

- ✓ **Cut out the vocabulary cards.**
- ✓ **Check how many words you remember.**
- ✓ **At the back of each card write down any information you find to be important about this word.**
- ✓ **Compare your notes and your friends`.**
- ✓ **Play with your friends.**
- ✓ **Mix all the cards together.**
- ✓ **Draw (take) a card. Read the word and try to guess what is written at the back of a card.**
- ✓ **Read what is written at the back of a card and try to guess the word.**
- ✓ **Make up your own rules.**

Landform

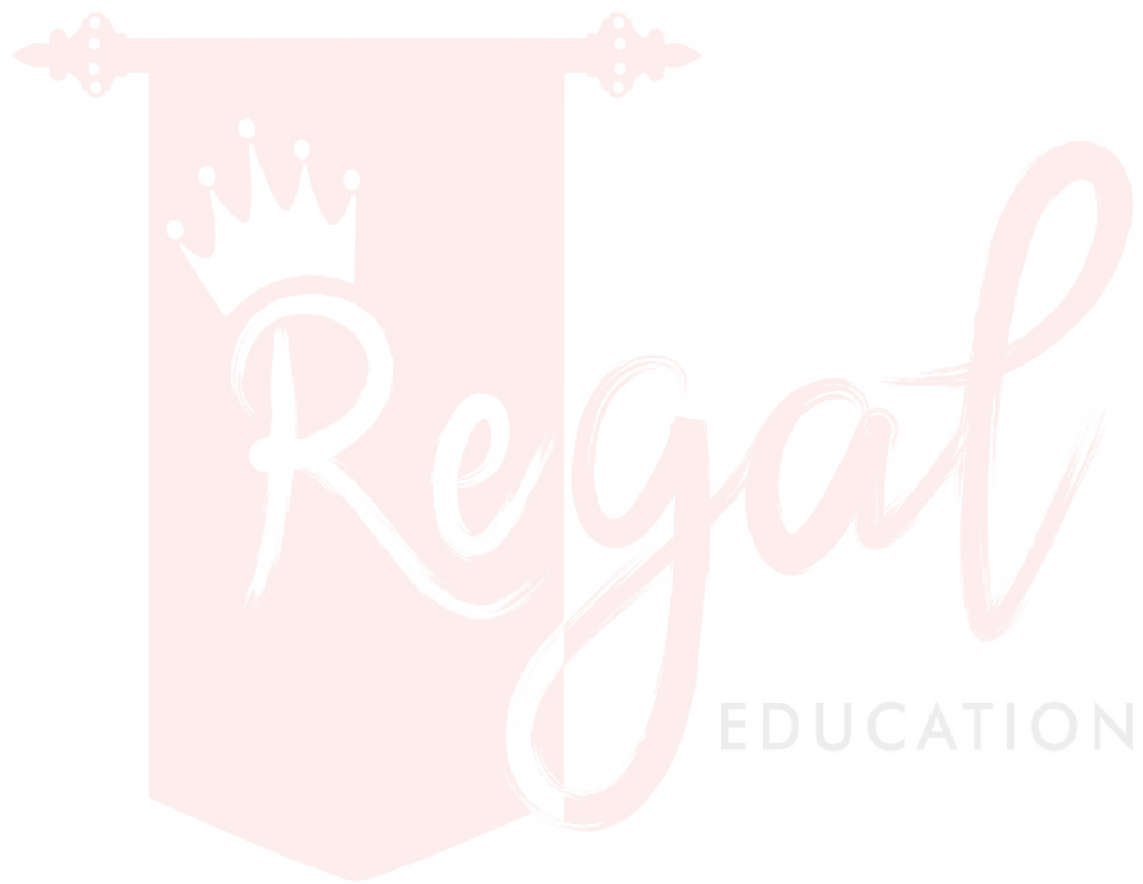
Mountain

Hill

Valley

Plain

Canyon



Plateau

Salt Water

Ocean

Lagoon

Freshwater

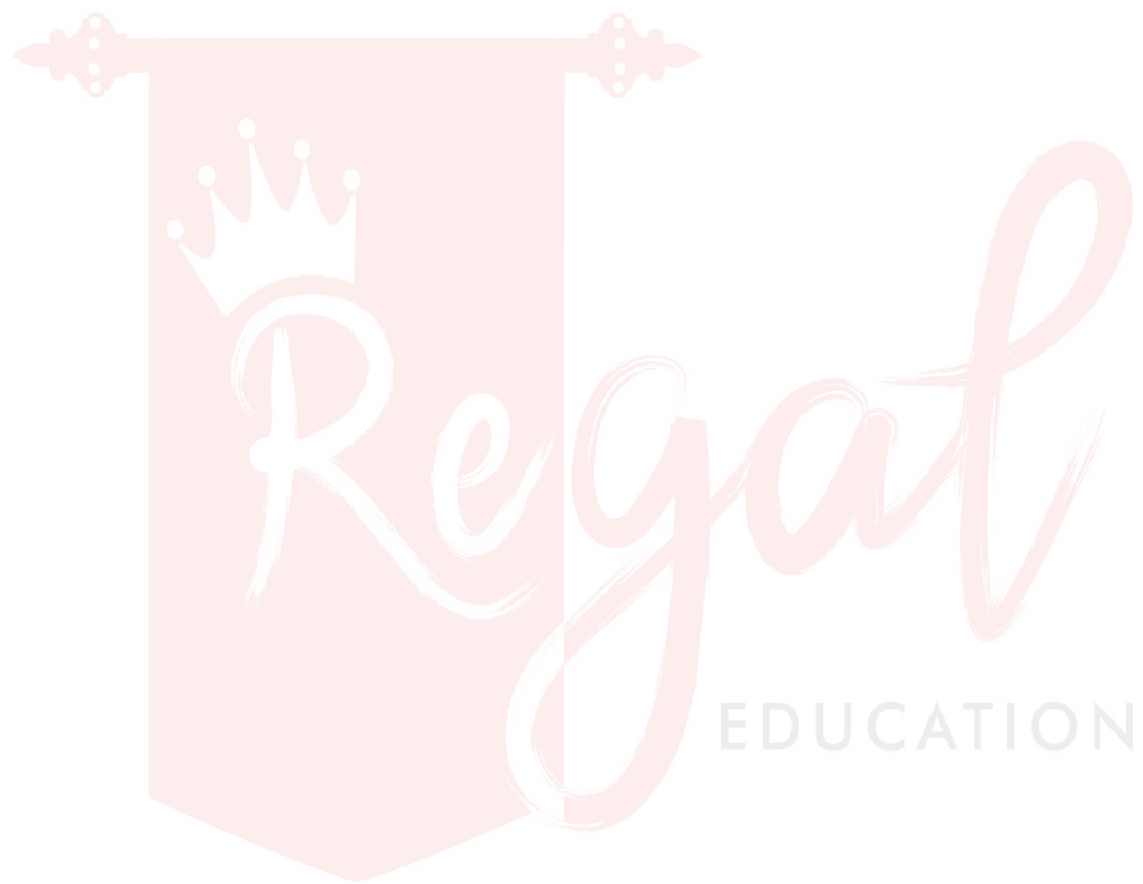
River

Lake

Glacier

Iceberg

Map



Peak

Base

Hill

Valley

Sea

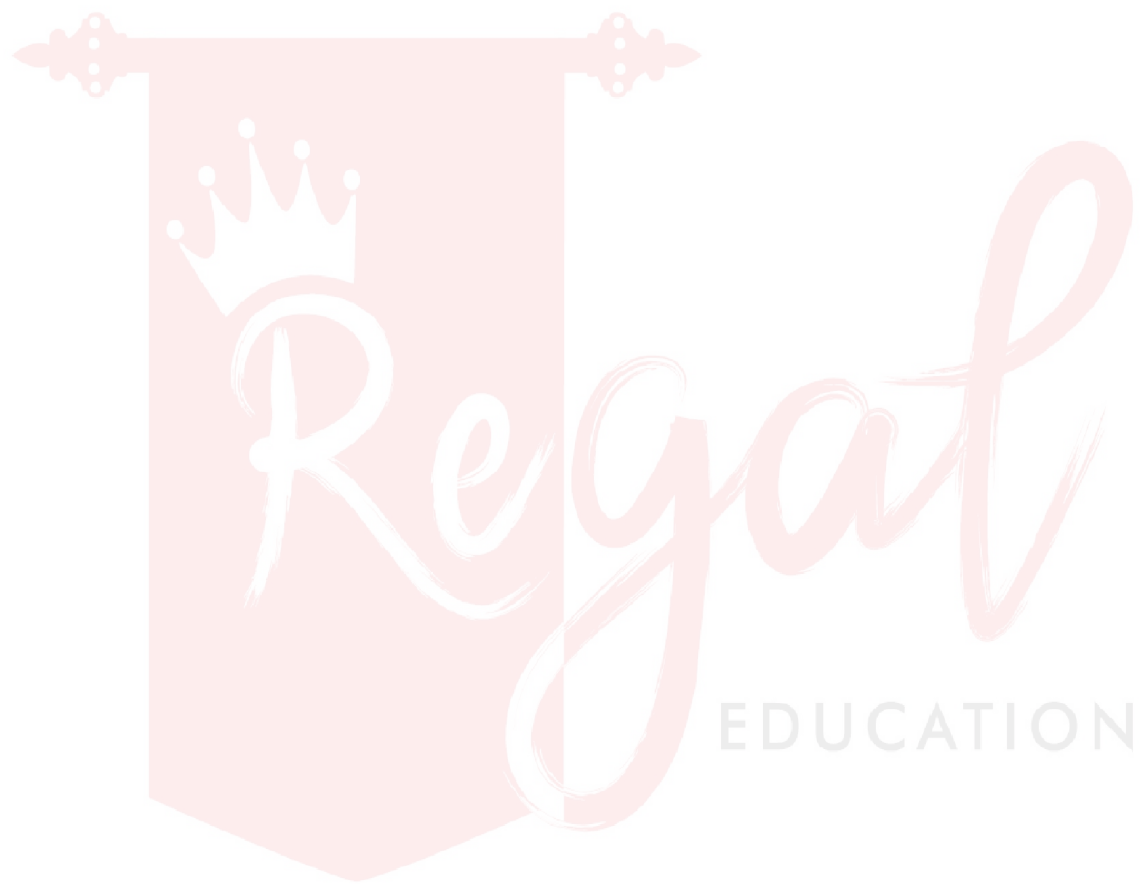
Sea Ice

Streams

Rivers

Pond

Lake



Glacier

Iceberg

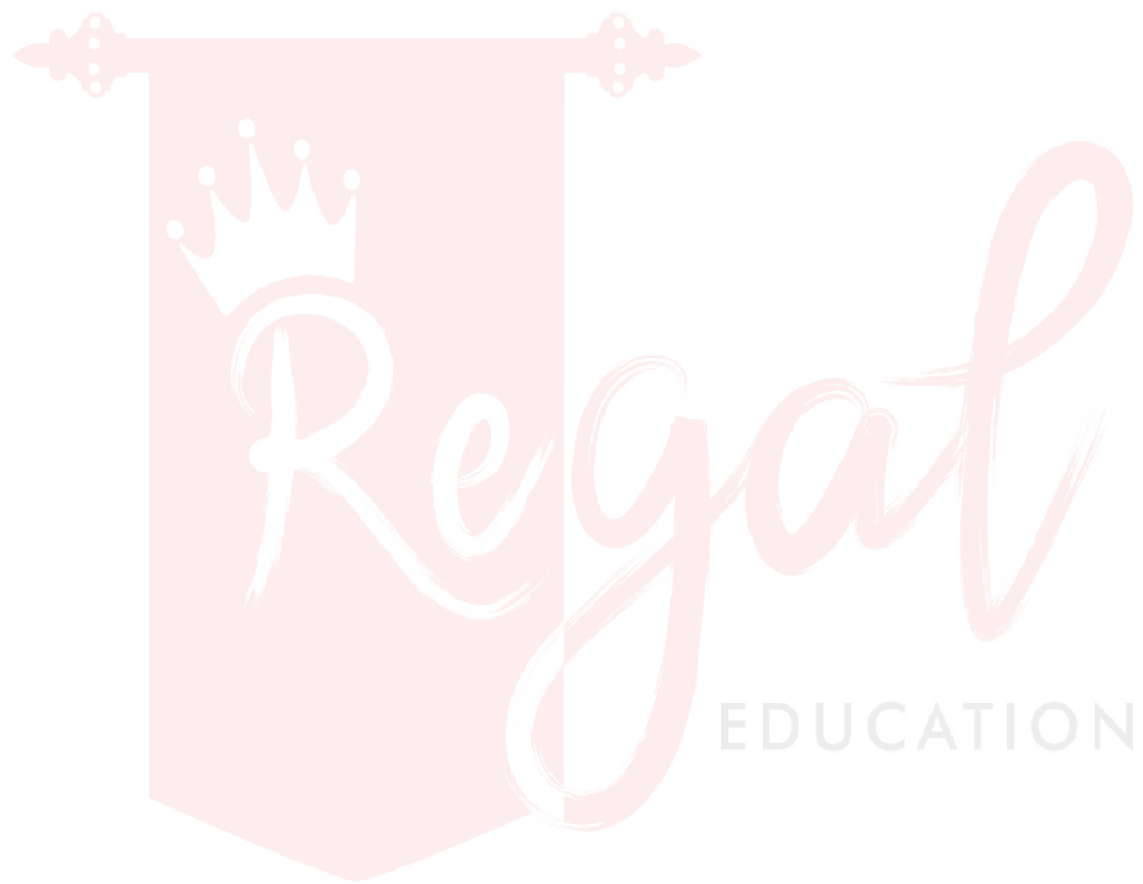
Liquid
Water

Solid Water

Cave

Scale

Waterfall



Fill in the blanks.

salty

fresh

solid

lakes

oceans

liquid

cannot

- ✓ Most of Earth's water is found in the _____.
- ✓ They are huge bodies of _____ water.
- ✓ We _____ use them for drinking.
- ✓ Very little of the water on earth is _____ water.
- ✓ Rivers and lakes are _____ fresh water.
- ✓ Icebergs and glaciers are _____ fresh water.

Freshwater or Saltwater?

Lake

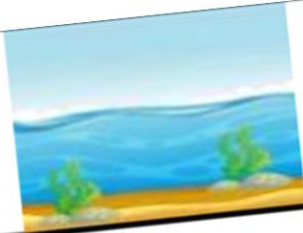
Ocean

Iceberg

River

Glacier

Puddle



ocean



liquid



solid



lake



liquid



solid



glacier



liquid



solid



puddle



liquid



solid



frozen pond



liquid



solid



river



liquid



solid



iceberg

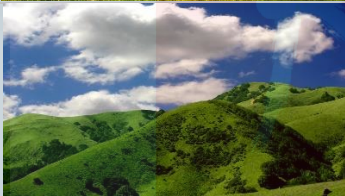


liquid



solid

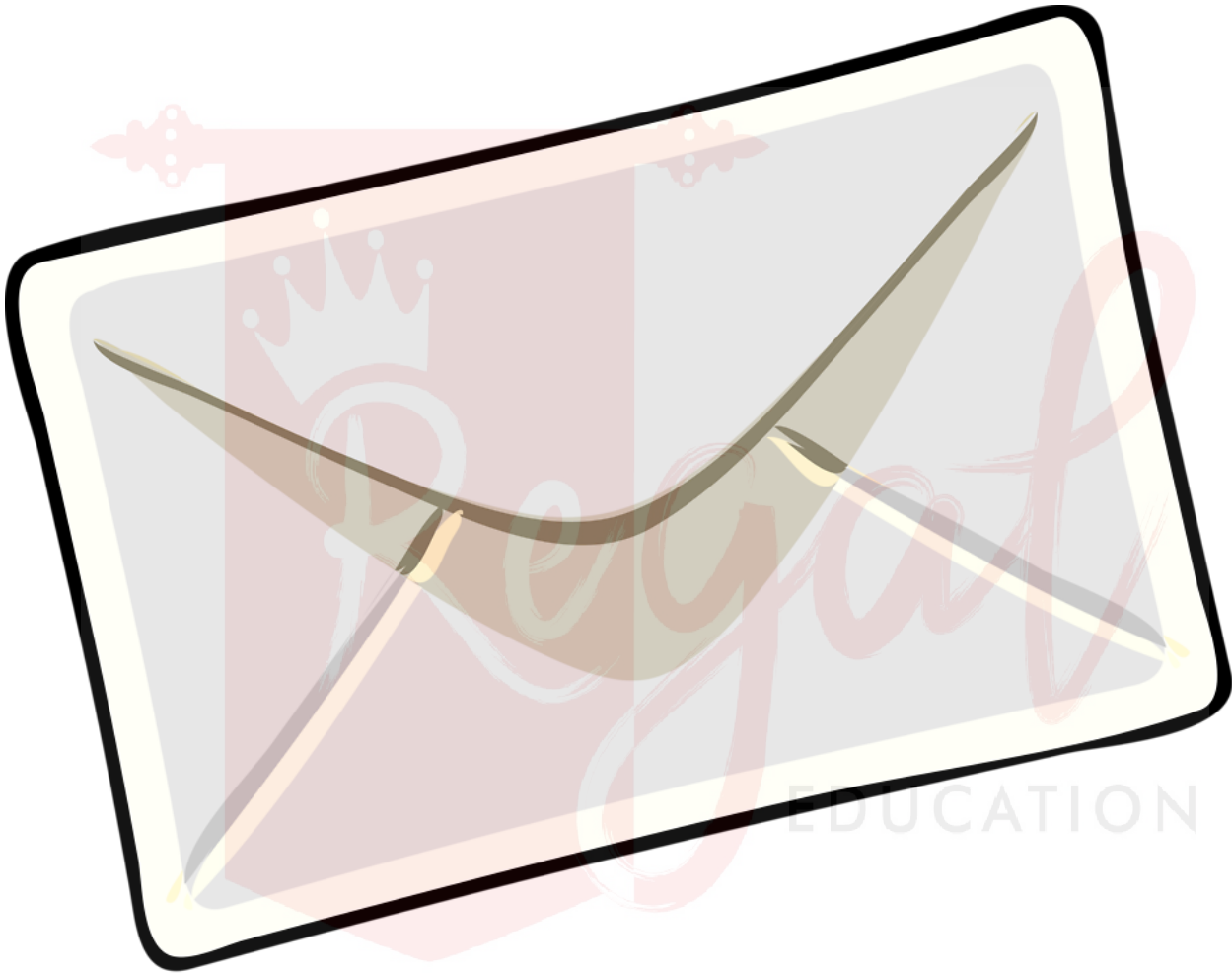
MATCH LANDFORMS and the pictures. More than one answer is possible. Compare your answers with your friends`.

	CLIFF	
	GLACIER	
	MOUNTAIN	
	VALLEY	
	HILLS	
	DESERT	
	PLAINS	

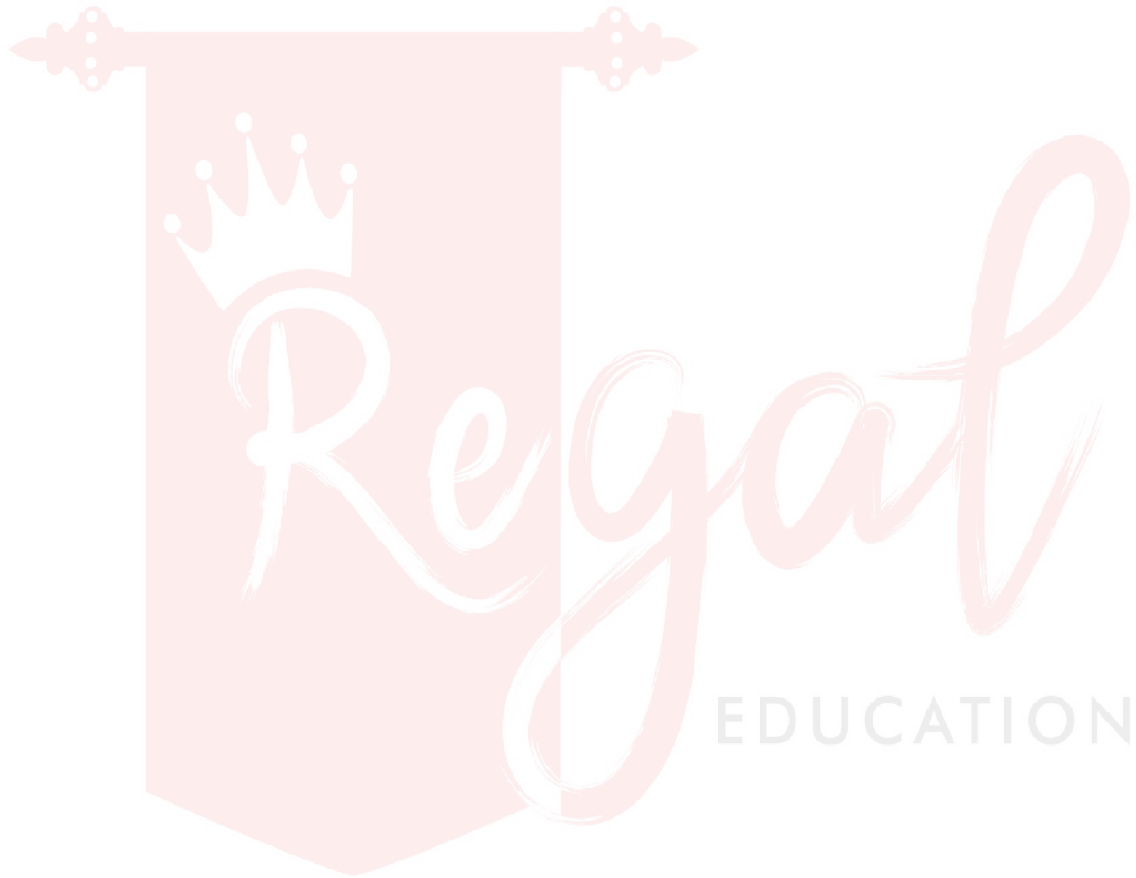
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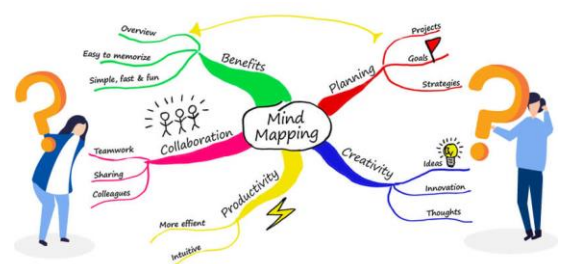
Glue an envelope for the flashcards here.



Create a mindmap of the most important things you have learned. You can work alone or with friends. If you don't know how to make a mindmap, scan the QR code.

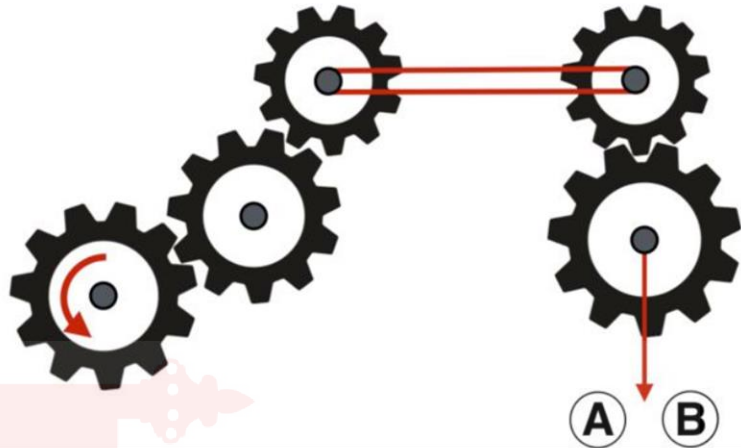


SCAN ME



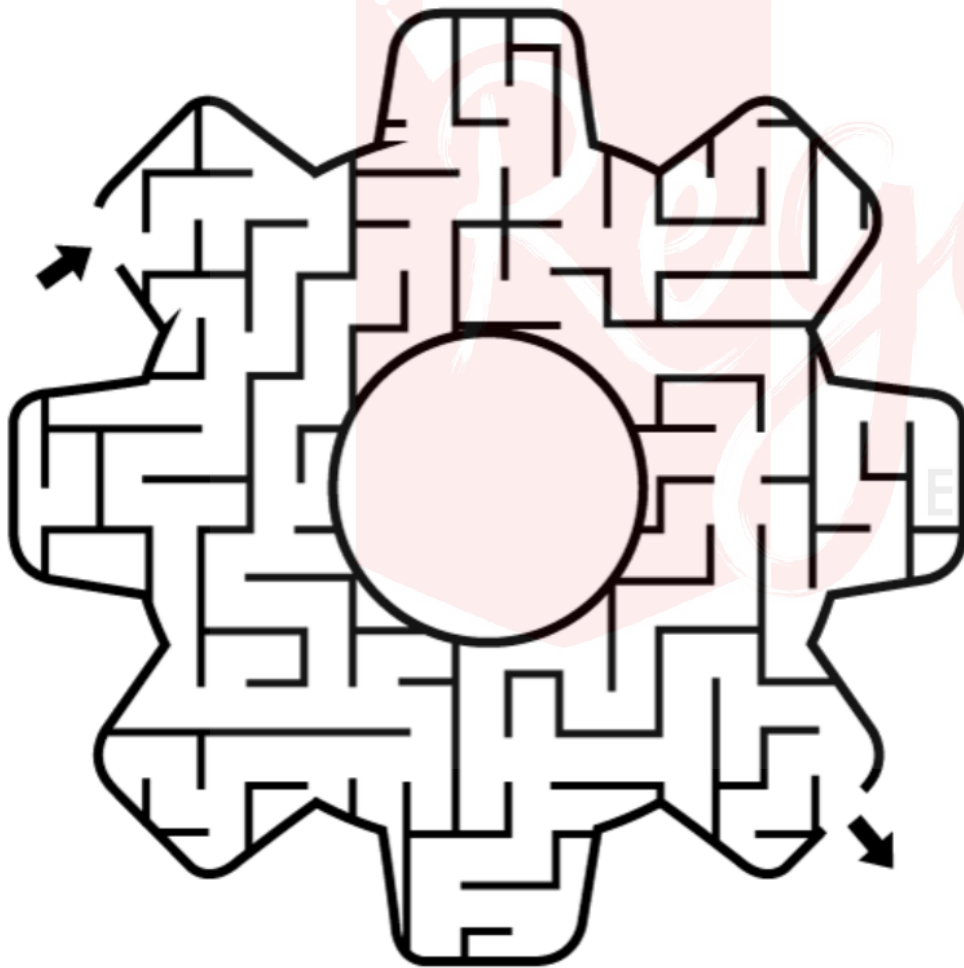
Unit 6

Will the red arrow point toward A or B?



*Think about the
direction of the
force.*

*Compare your
answer with your
friends`.*



Fast and slow motion



Observations

Pushes and pulls are forces that can make things move faster or slower.
Pushes and pulls can also make things stop moving.

Science activity

Answer the questions about making things move faster or slower.

How can Jason make the ball roll slower?



.....



How can Amy make the ball move faster?



.....

How can Luke make the bike go slower?



.....



How can Anna make the ball move faster?

.....

Science exploration

Design and conduct an experiment to see how you can make a marble move quickly and slowly through a cardboard tube.





Be forceful!

Observations

Things move when you push them and pull them. A push or a pull is a *force* that causes things to go faster or slower, or to stop. When you are very forceful (you give a hard push), you can make a toy car go fast. When you are not so forceful (soft push), the car will go slowly.

Science activity

Do these things need a push or a pull to make them move? Write push or pull under each picture.



.....



.....



.....

.....



.....



.....

Science exploration

① Take extra care - ask an adult to supervise you.
Predict and test what you think will happen if you give a toy car a hard push and then a soft push. Try this with different-sized cars.

To play online, scan the QR codes.



SCAN ME



SCAN ME

Circle the objects that the magnet will attract.



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- ✓ **Check how many words you remember.**
- ✓ **At the back of each card write down any information you find to be important about this word.**
- ✓ **Compare your notes and your friends`.**
- ✓ **Play with your friends.**
- ✓ **Mix all the cards together.**
- ✓ **Draw (take) a card. Read the word and try to guess what is written at the back of a card.**
- ✓ **Read what is written at the back of a card and try to guess the word.**
- ✓ **Make up your own rules.**

Position

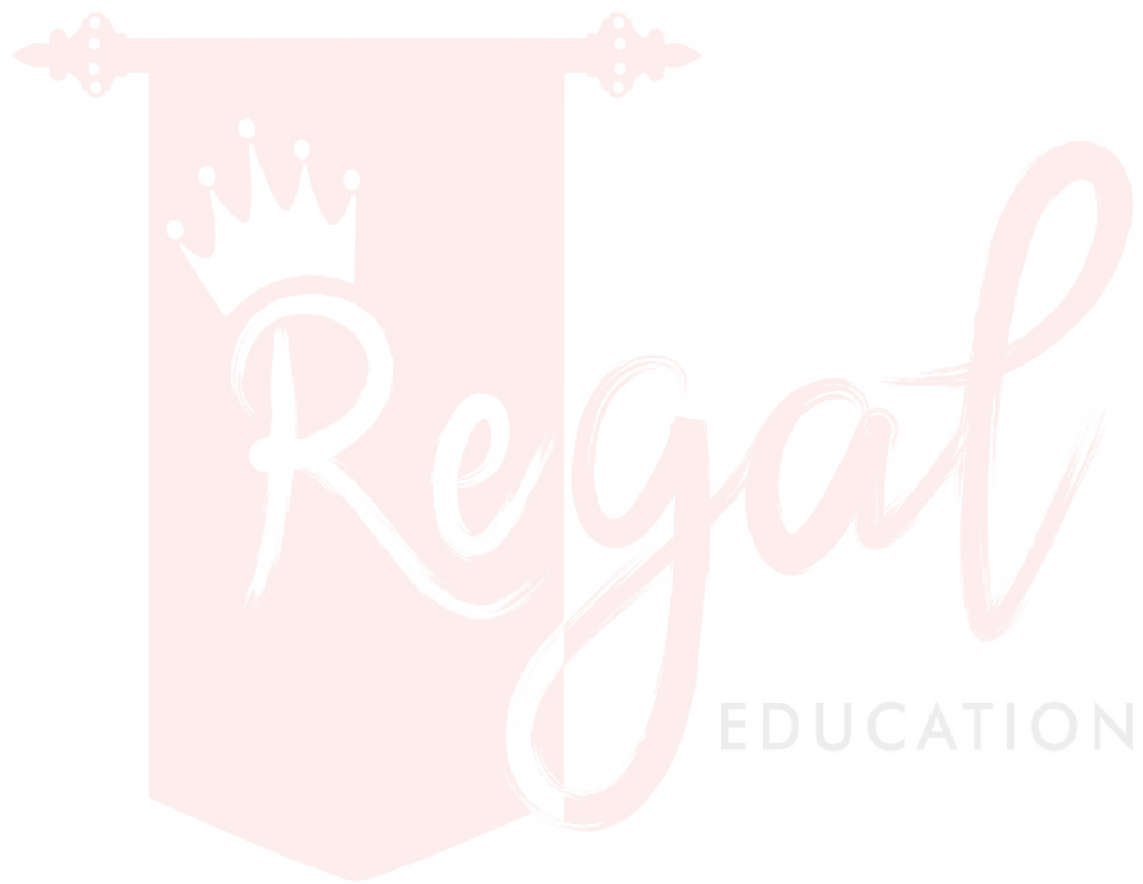
Motion

Speed

Force

Push

Pull



Contact Force

Non-contact
Force

Friction

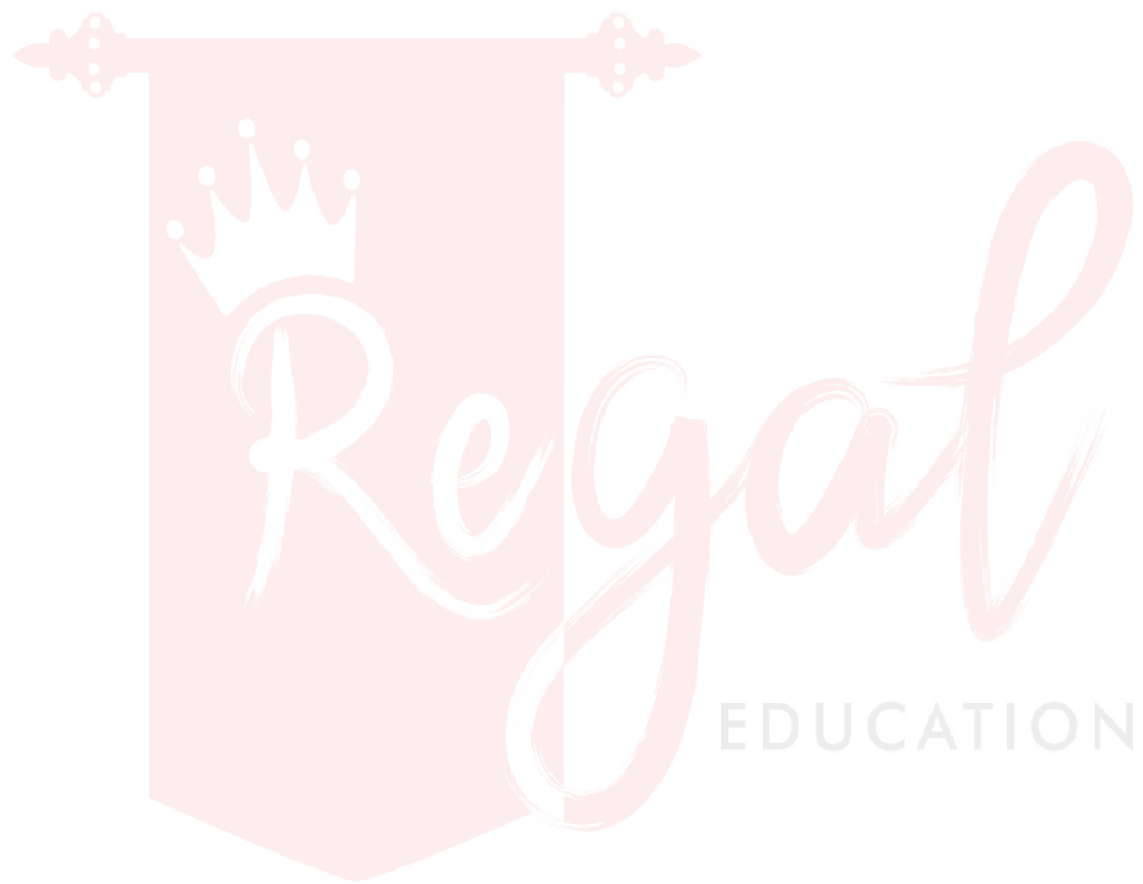
Gravity

Magnetic Force

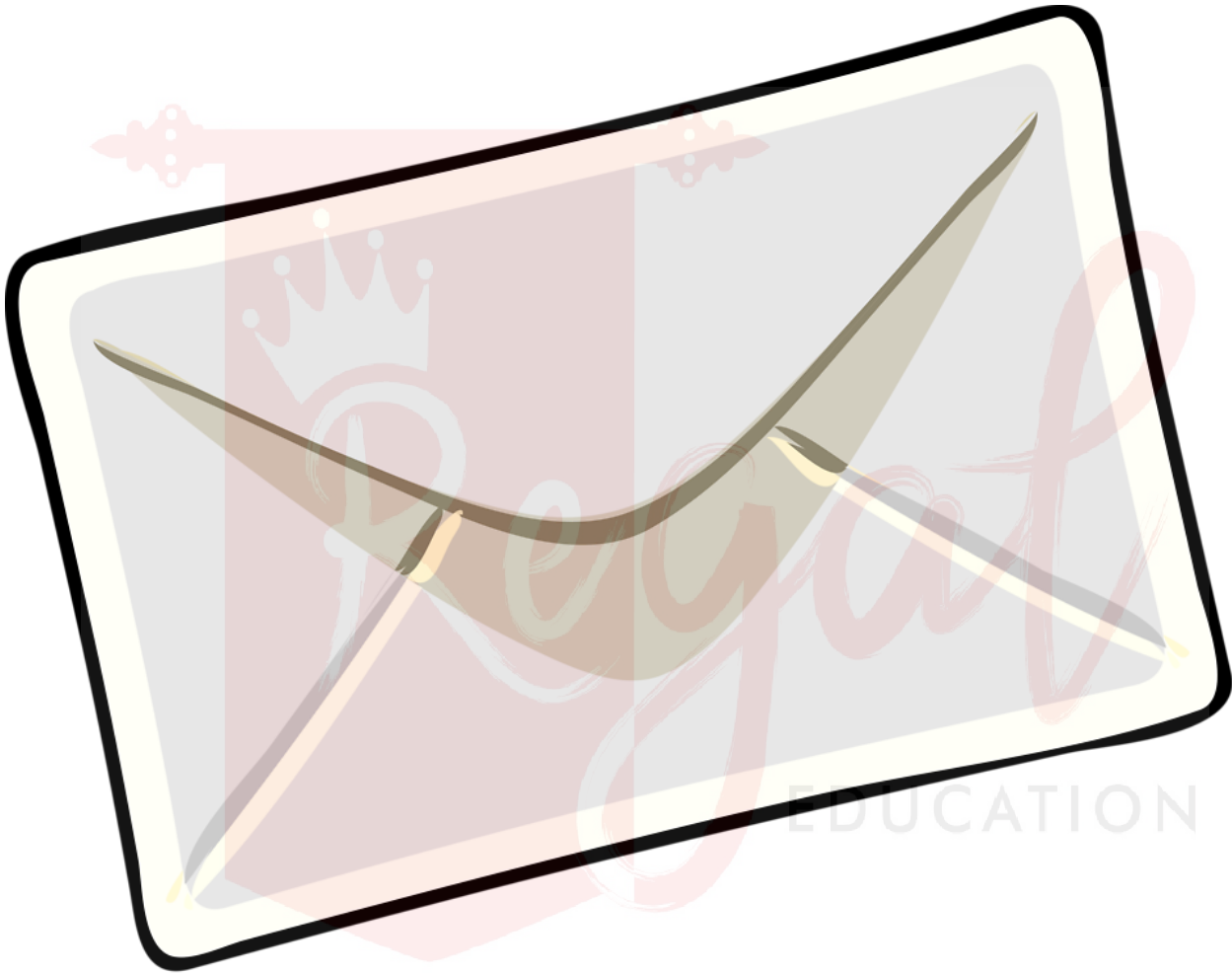
Attract

Repel

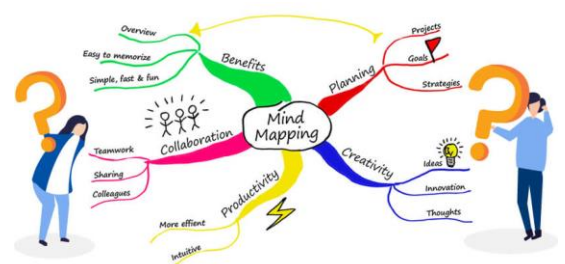
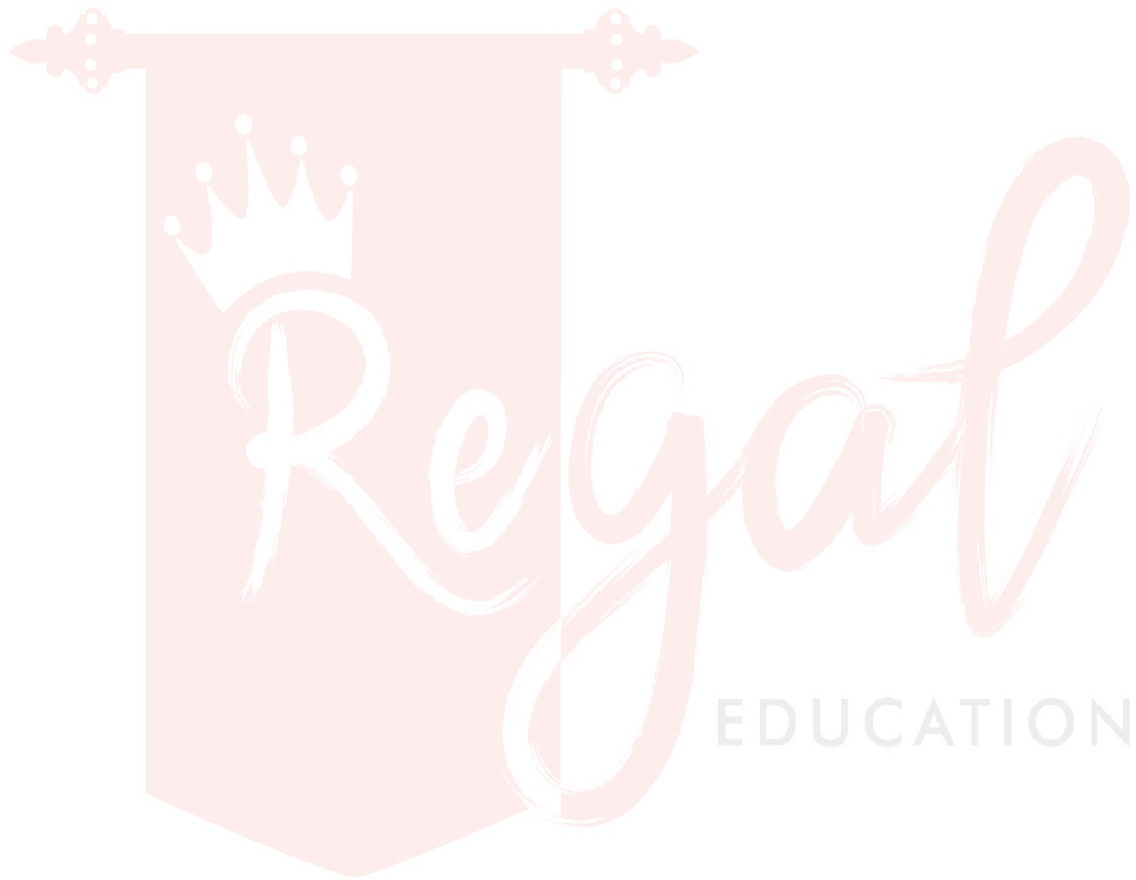
Poles



Glue an envelope for the flashcards here.



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Unit 7

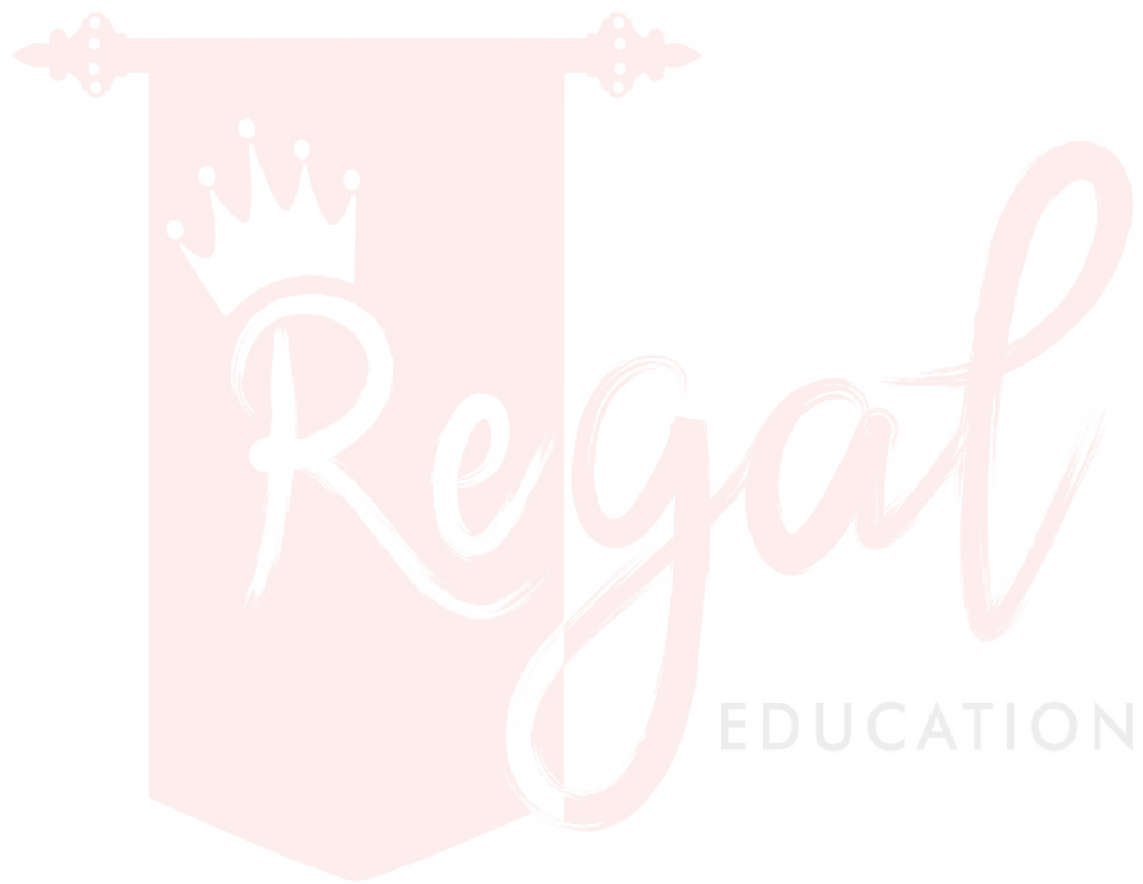
- ✓ **Cut out the vocabulary cards.**
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- ✓ **Play with your friends.**
- ✓ **Mix all the cards together.**
- ✓ **Draw (take) a card. Read the word and try to guess what is written at the back of a card.**
- ✓ **Read what is written at the back of a card and try to guess a word.**
- ✓ **Make up your own rules.**

Matter

Solid

Liquid

Gas



Texture

Weight

Magnetic

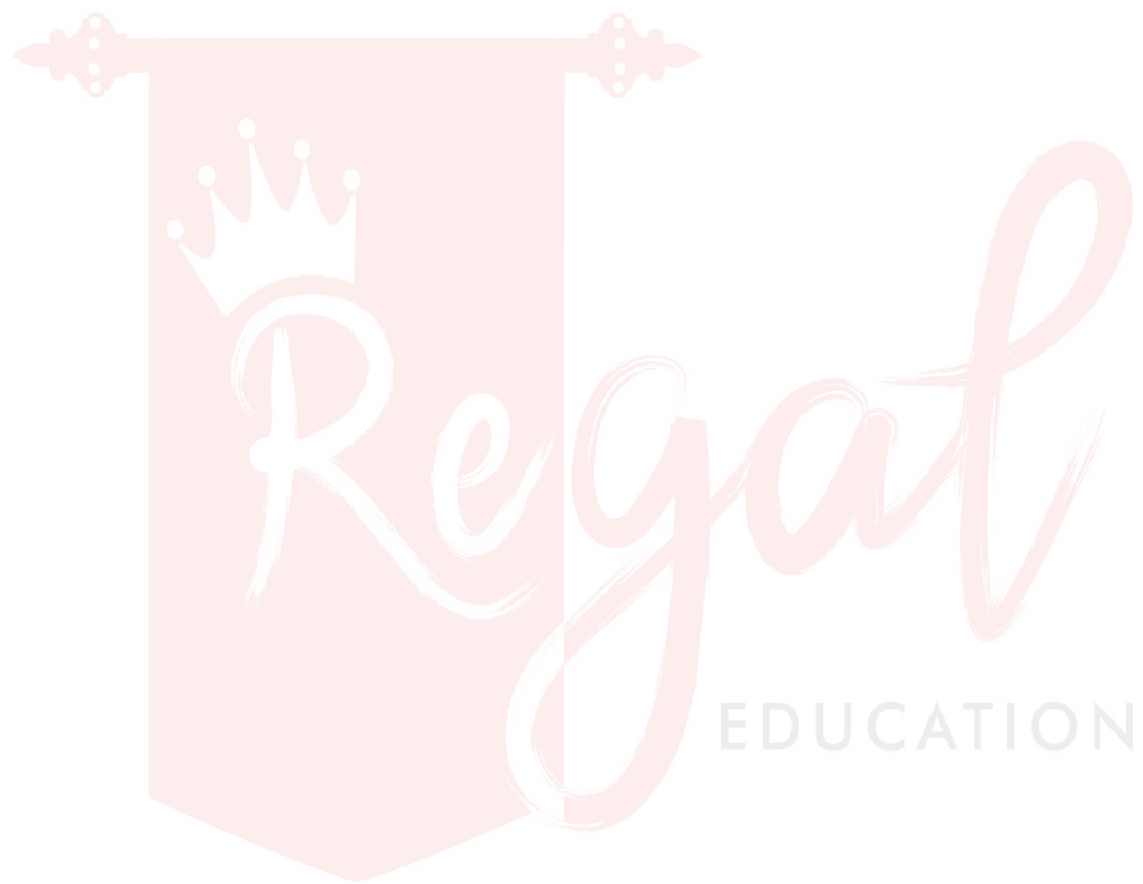
Buoyancy

Float

Sink

Strength

Hardness



Flexibility

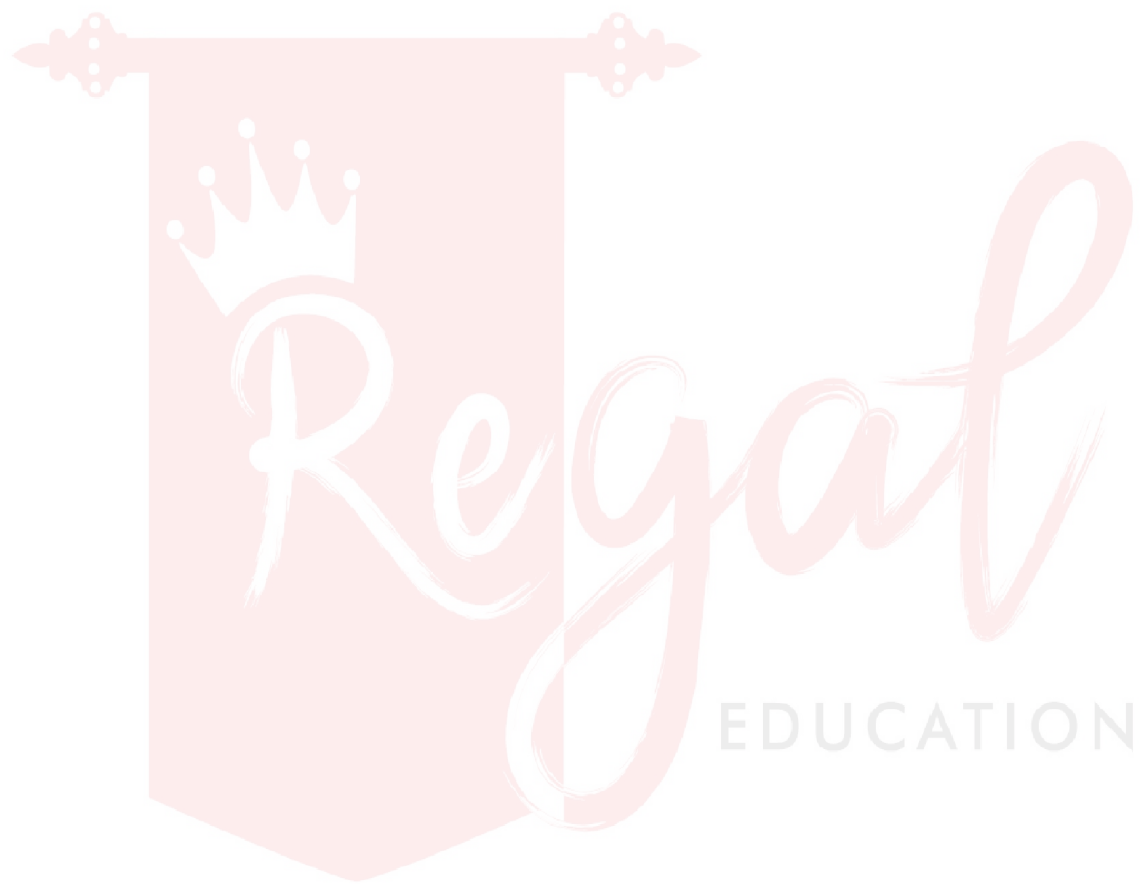
Transparency

Transparent

Translucent

Opaque

Absorbency



Fill in the blanks.

heated or cooled

Ice changes to water when it is _____.



Water changes to water vapor when it is _____.



Water vapor changes to water when it is _____.



Water changes to ice when it is _____.



Fill in the blanks.

water vapor

solid

ice

gas

liquid

heated



Water turns to _____ when it freezes.
It turns from a _____ to a solid.

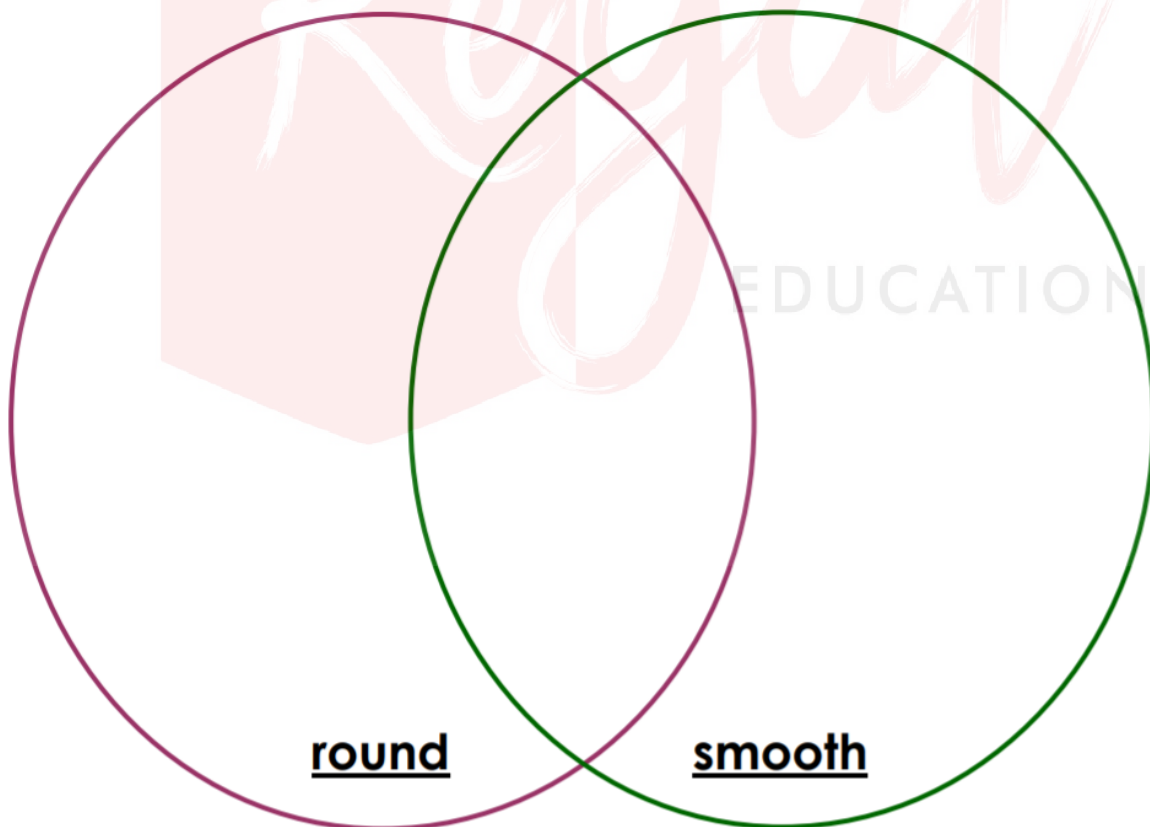
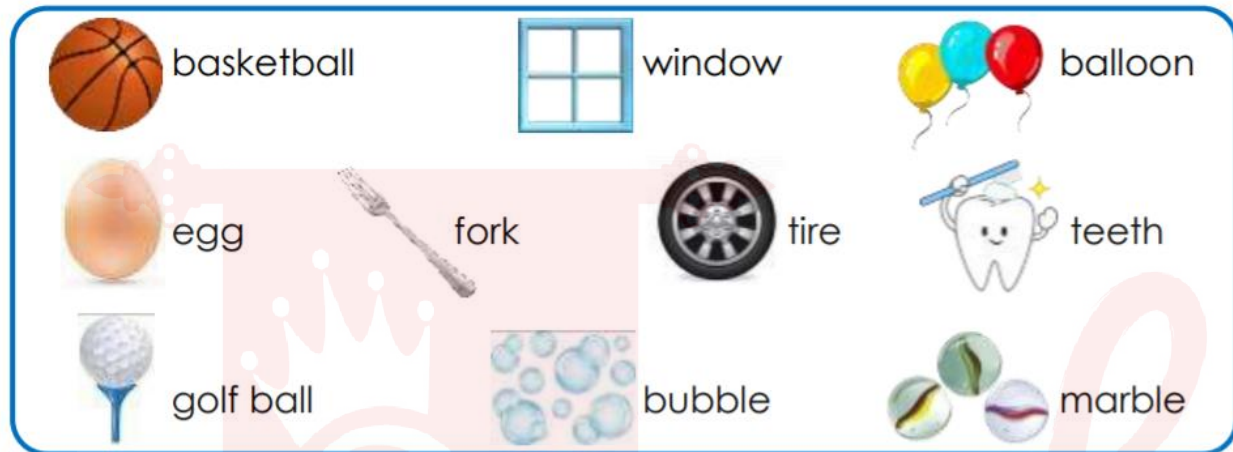


When water is heated enough, it becomes _____.
It turns from a liquid to a _____.



When ice is _____ it turns to water.
It changes from a _____ to a liquid.

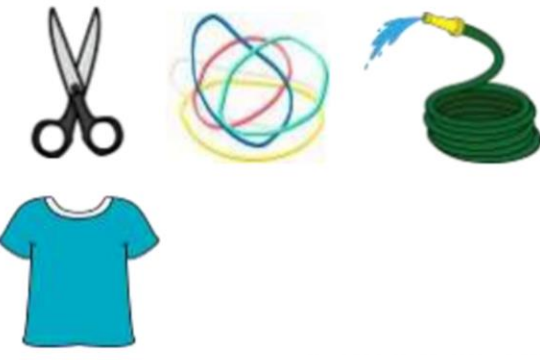
Write the name of each item in the Venn diagram based on their properties. Compare your answers with your friends.



For each group, cross out the item that does not belong to the group. Draw one more item that you think should be there. Compare your answers with your friends`.

<u>red</u>  _____	<u>small</u>  _____
--	---

<u>soft</u>  _____	<u>shiny</u>  _____
---	---

<u>flexible</u>  _____	<u>heavy</u>  _____
---	---

To play online, scan the QR codes.



SCAN ME



SCAN ME

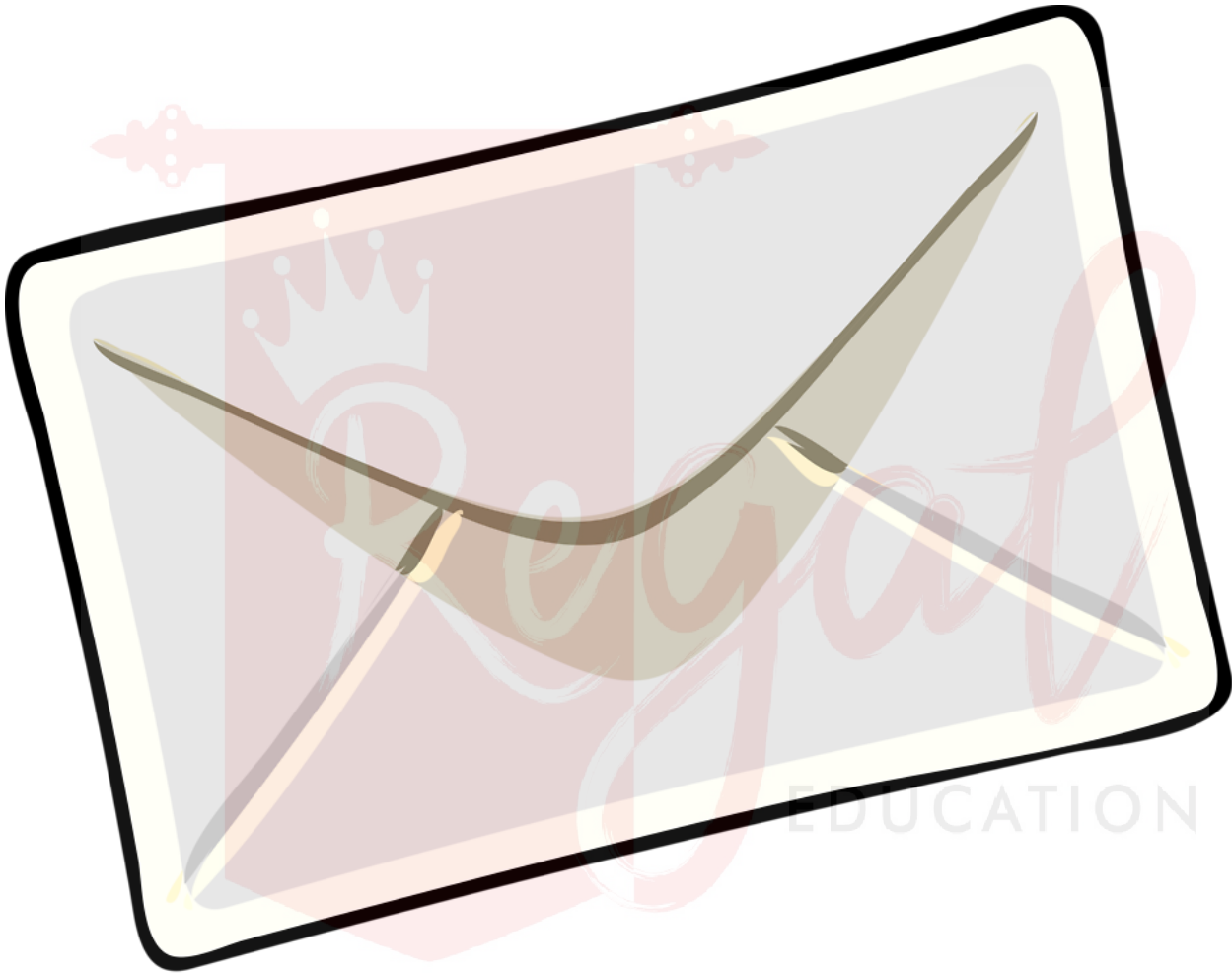


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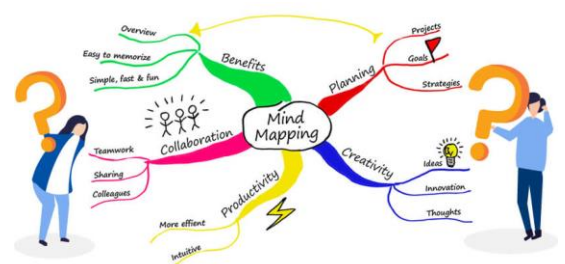
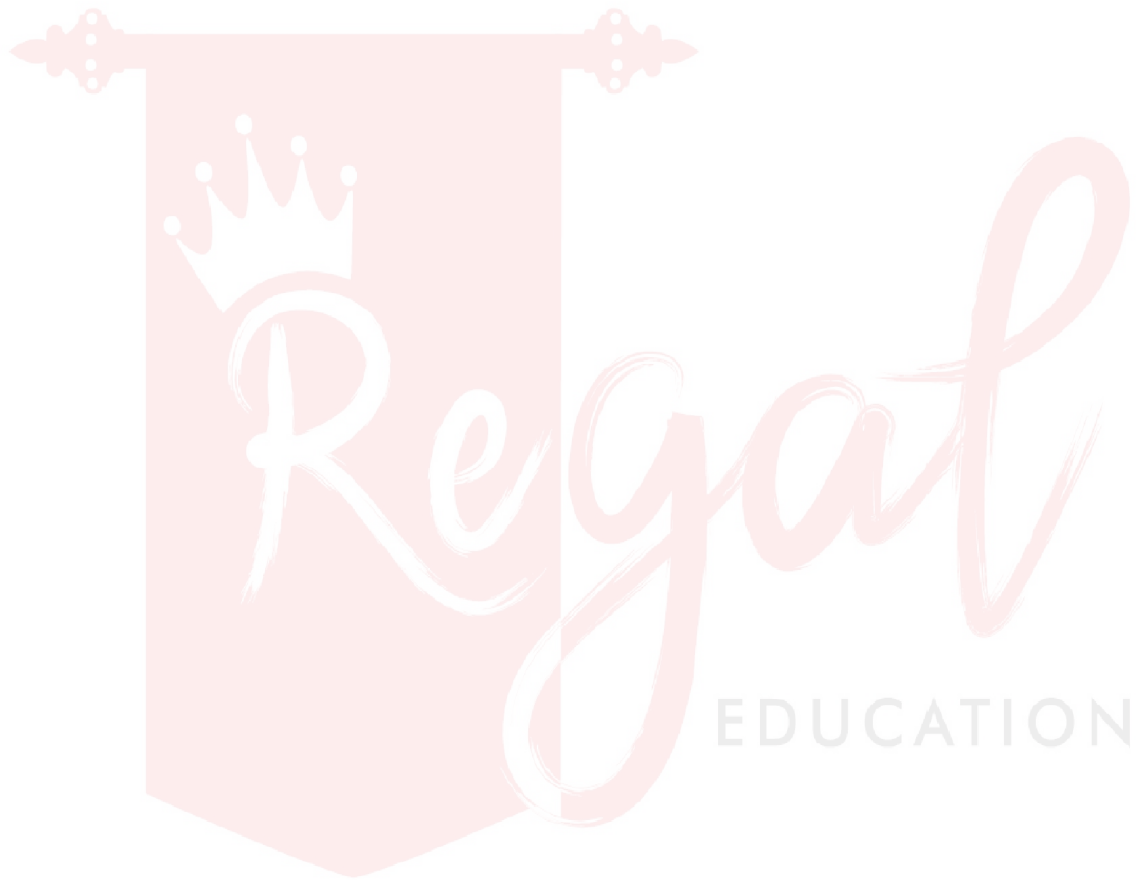


SCAN ME

Glue an envelope for the flashcards here.



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Changes to Matter

Unit 8

To play online, scan the QR codes.



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Solid, liquid or gas?

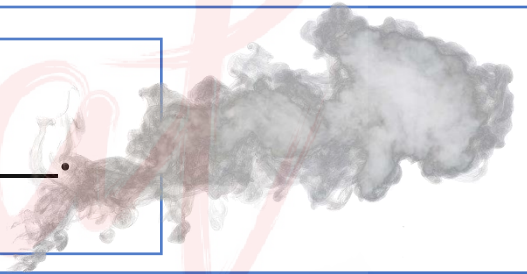


The balloons are filled with _____.



Rain is a _____.

Smoke is a _____.



My laptop is _____.

The ink in my pen is _____.



The mug is _____.



My tea in the mug is a _____.



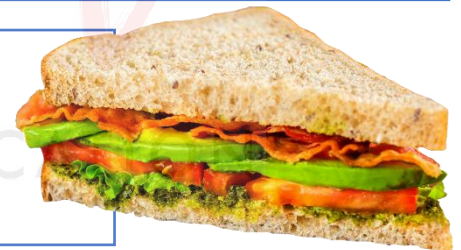
The oxygen I breath in is _____.

The ocean is _____.



My juice is a _____.

My sandwich is _____.



My marshmallow is _____.

The chair I sit on is _____.





Describe things you see around you. Write if they are **liquid, solid or gas**. The first one has been done for you.

1. My ice-cream is solid. But if I leave it in the sun, it will become liquid.



Find the word in the puzzle.

Words can go in any direction.

Words can share letters as they cross over each other.

Compare your answers with your friends`.

change

irreversible

reversible

freezing

liquid

solid

gas

melting

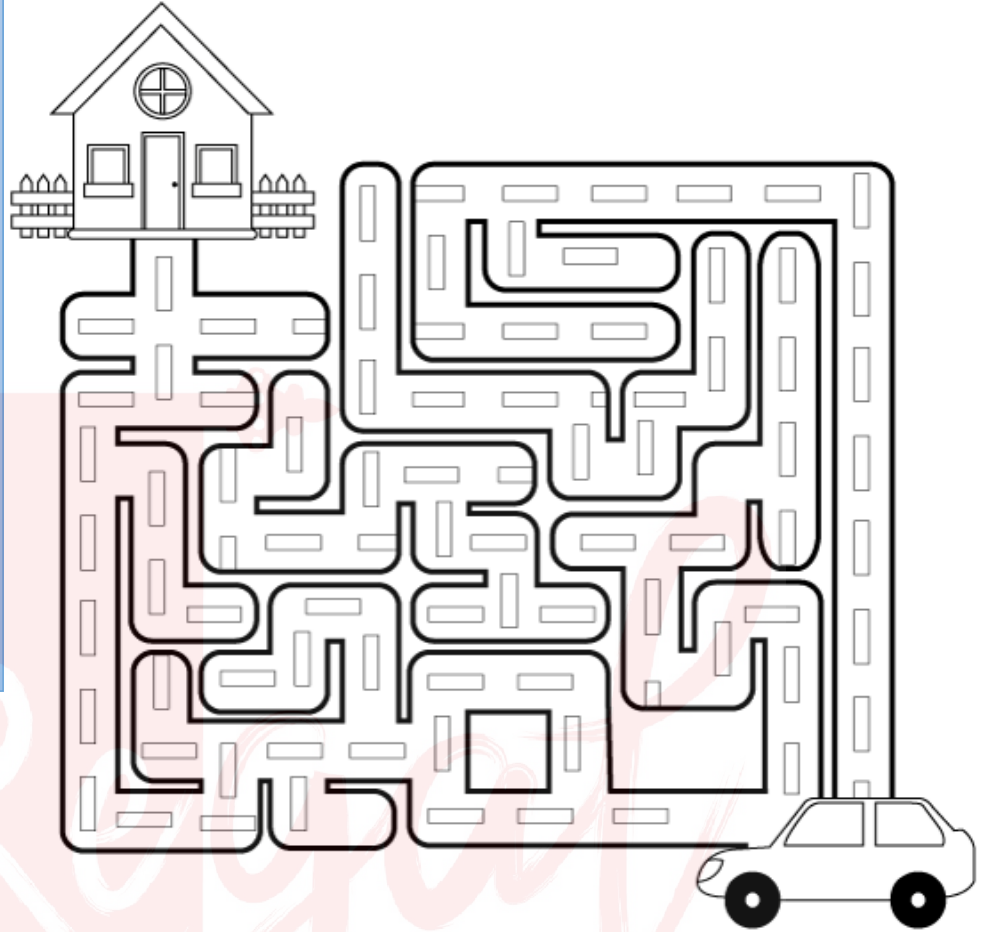
temperature



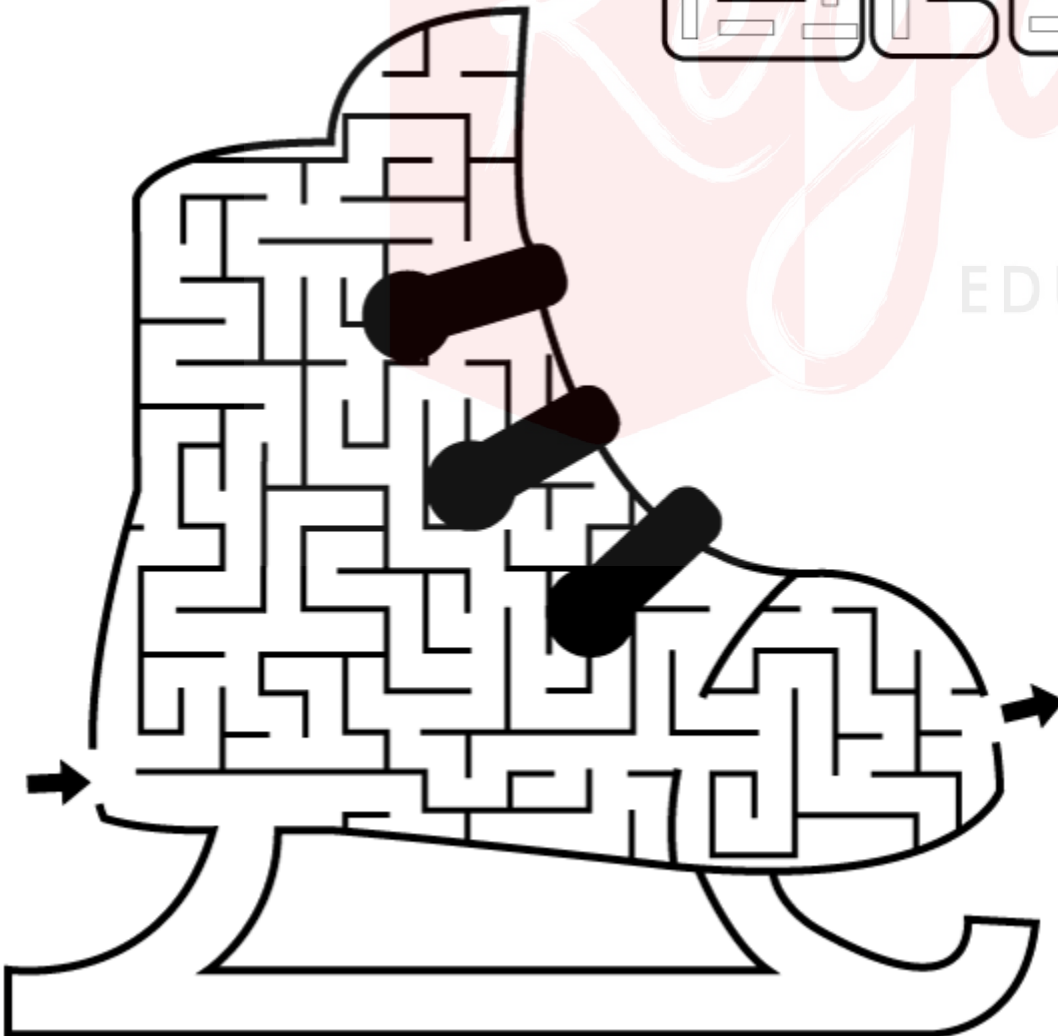
Y	E	G	N	A	H	C	E	V	V	E	P	P	W	S
C	H	H	L	L	I	R	P	D	R	Y	L	R	I	E
F	P	V	L	D	L	M	A	U	H	Q	S	R	O	B
M	E	L	T	I	N	G	T	R	V	F	R	F	O	W
W	P	O	U	K	Y	A	P	E	W	E	G	I	F	Q
F	Z	R	T	F	R	H	D	V	V	S	Z	P	P	V
Y	R	O	G	E	X	I	F	E	O	D	A	P	C	M
D	I	E	P	W	U	M	R	R	I	I	C	G	W	J
F	G	M	E	Q	D	S	Z	S	X	L	P	V	H	H
J	E	H	I	Z	I	M	U	I	R	O	S	H	C	K
T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

Road Maze

Help the car find the house at the end of the maze.

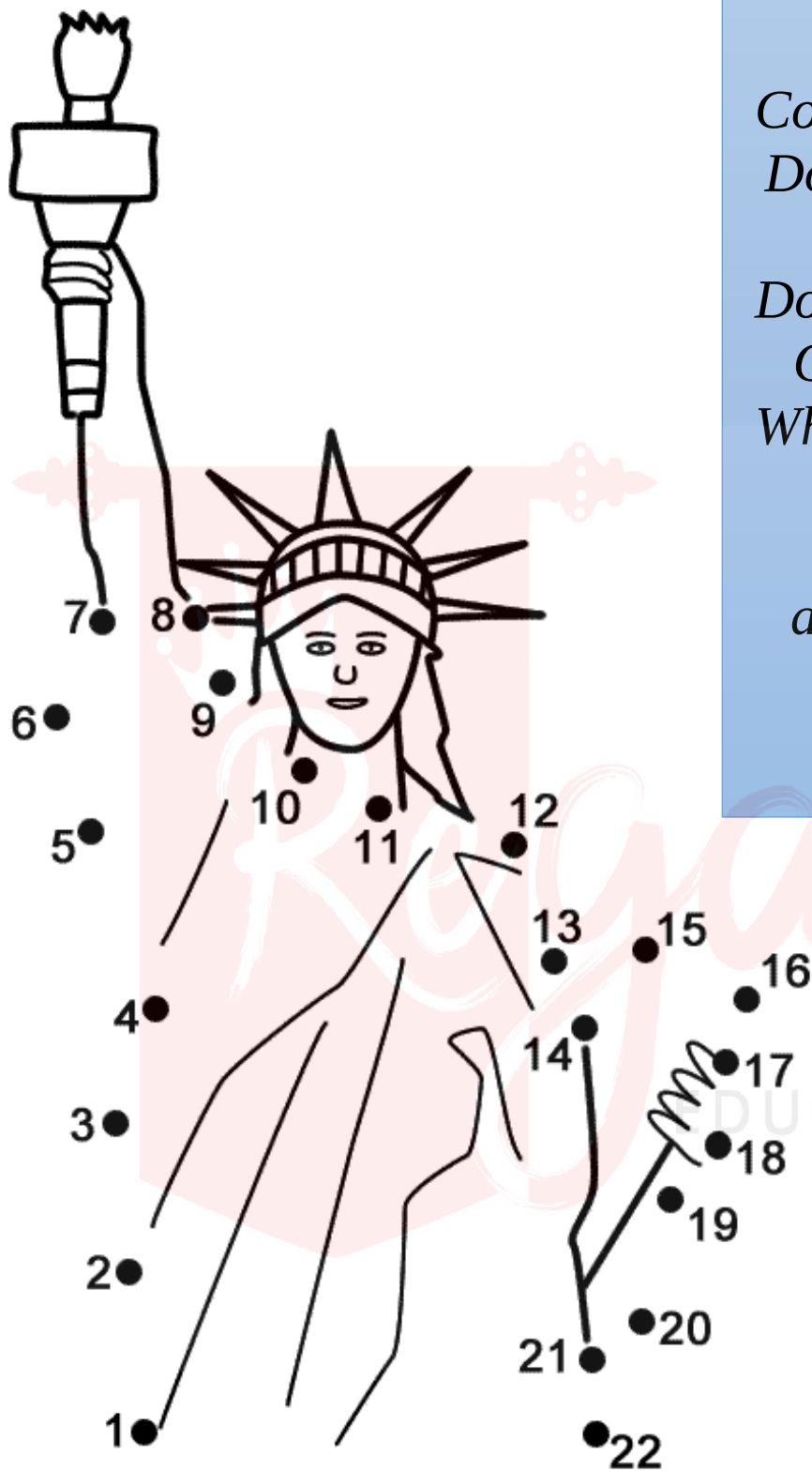


*Let`s have some fun.
Color your way
through the maze.
Who was the fastest in
your group?*



EDUCATION



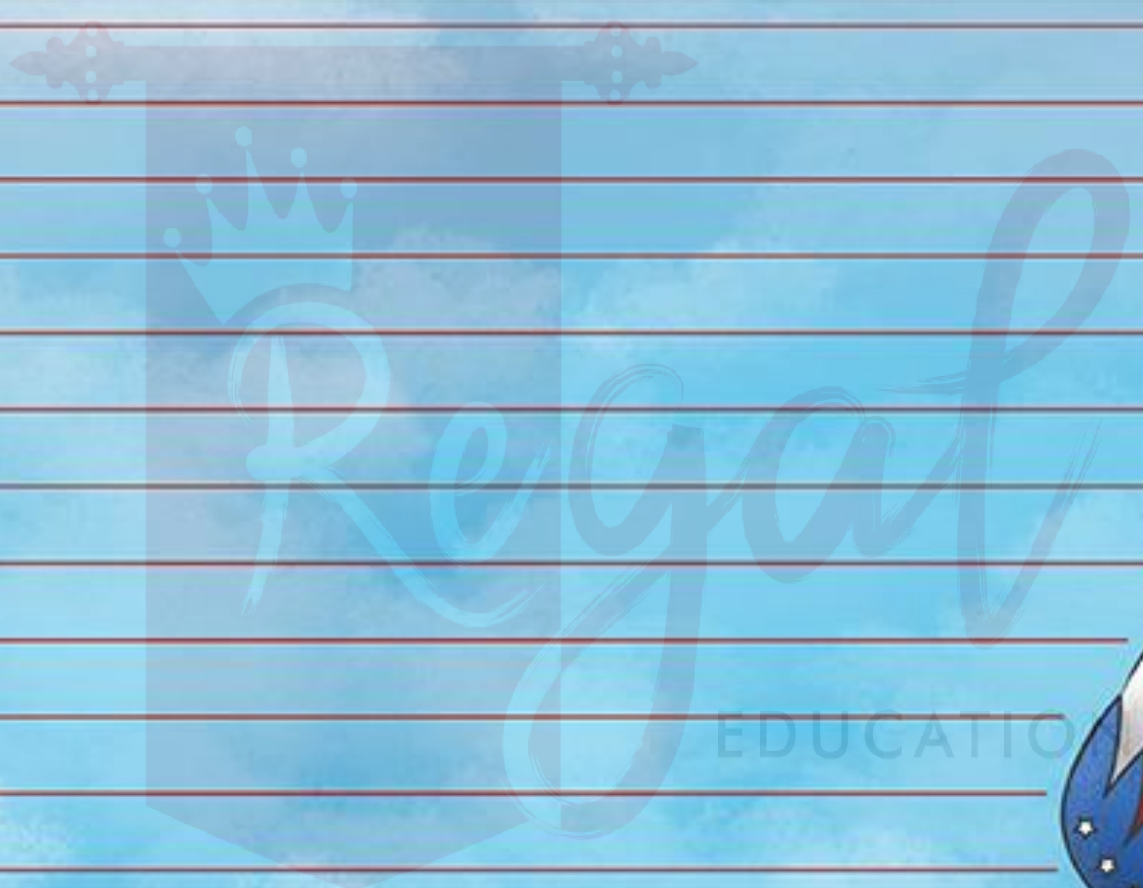


*Complete the picture.
Do you know what it
is?*

*Do quick research on
Our Lady Liberty.
What materials is she
made of?*

*Compare your
answers with your
friends`.*





Describe a famous place in your country. What material is it made of? What makes it so special?



Unit 9

Find the word in the puzzle.

Words can go in any direction.

Words can share letters as they cross over each other.

Compare your answers with your friends`.

battery

electricity

thermometer

circuit

heat

electric

temperature

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

If an object gives off heat, draw arrows showing the heat.

Some of these objects give off both heat and light. Circle them.



If an object gives off heat, draw arrows showing the heat.

Some of these objects give off both heat and light. Circle them.





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Conductor or Insulator.

To play online, scan the QR codes.
Circle the yellow bulb for conductors.
Circle the white bulb for insulators.



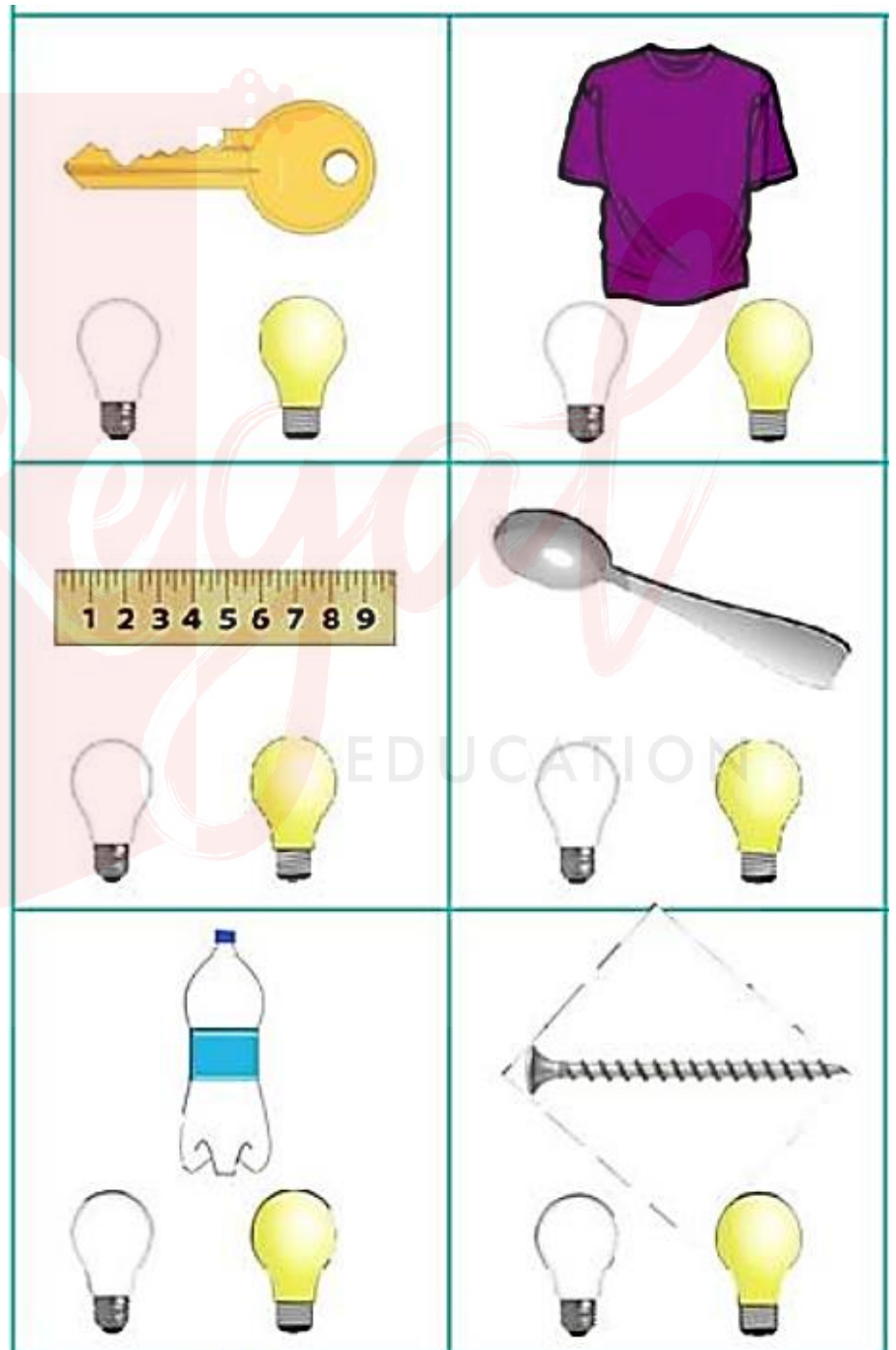
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SCAN ME



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To play online, scan the QR codes.



SCAN ME



SCAN ME



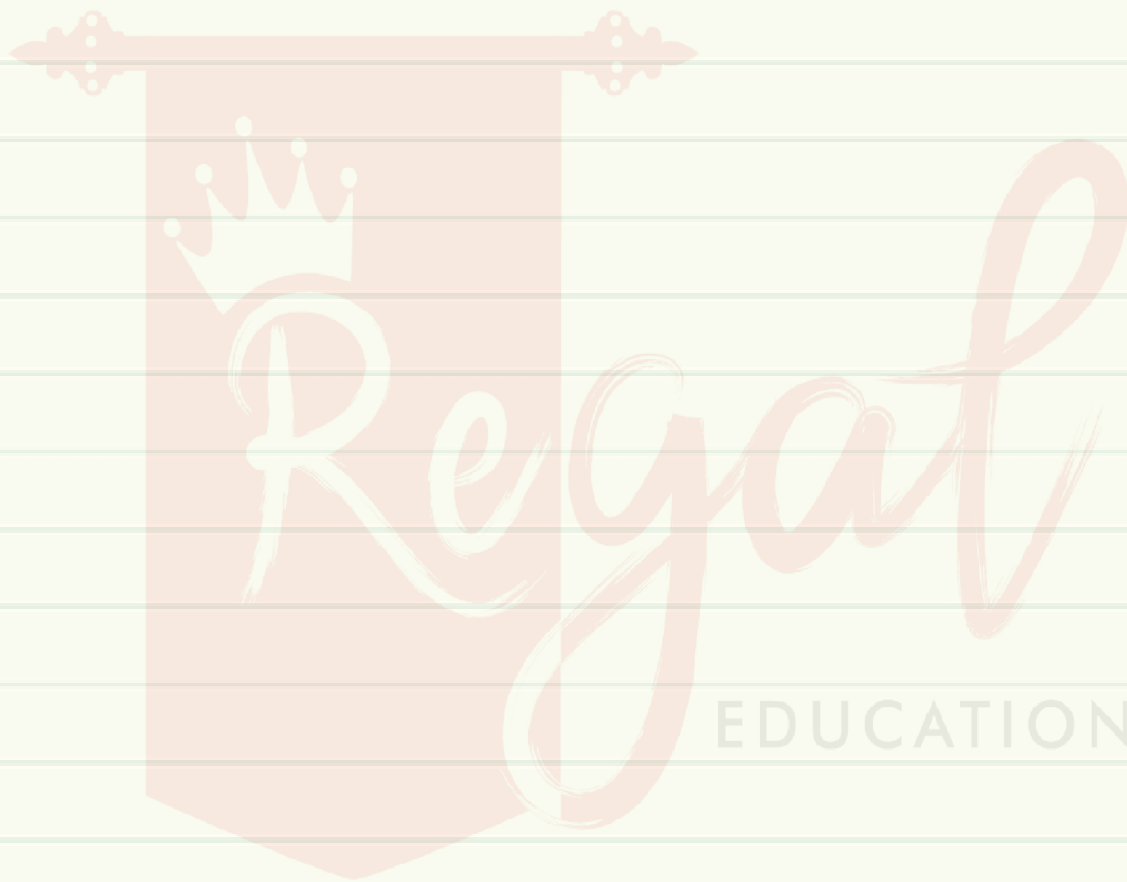
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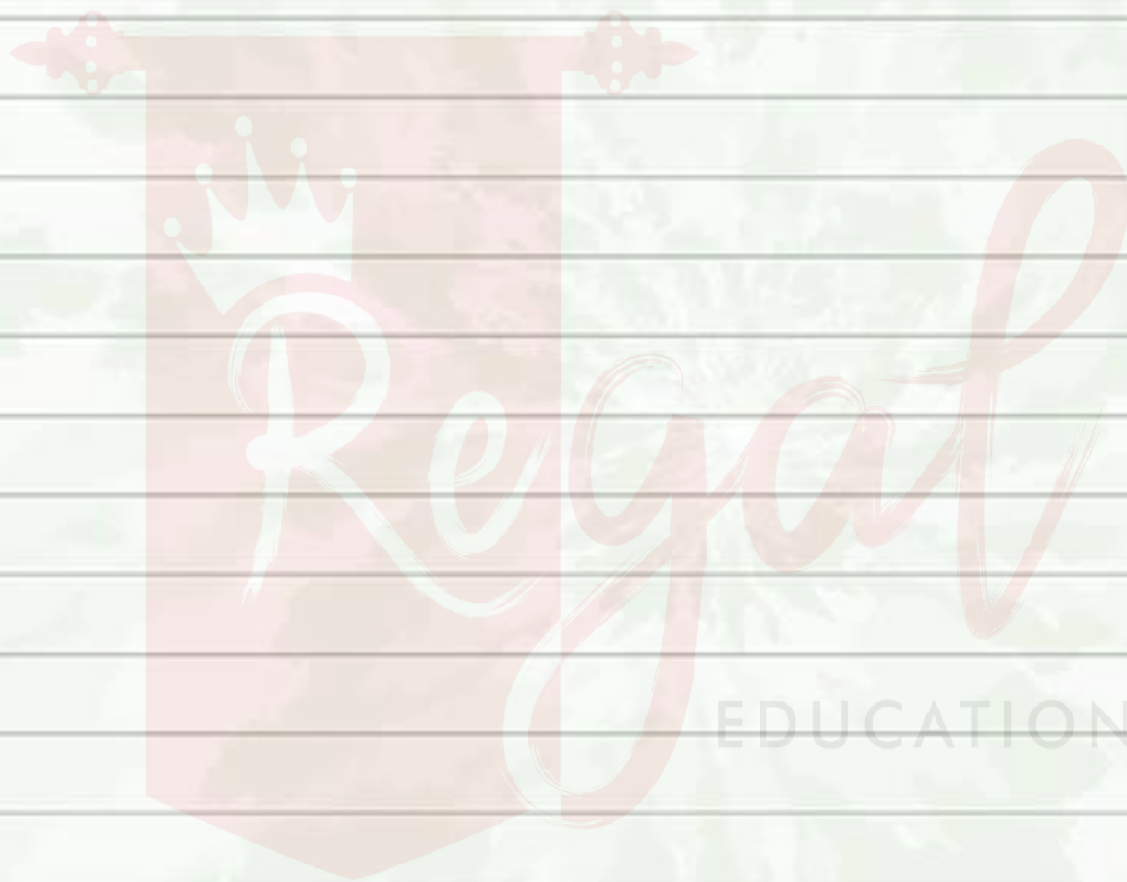


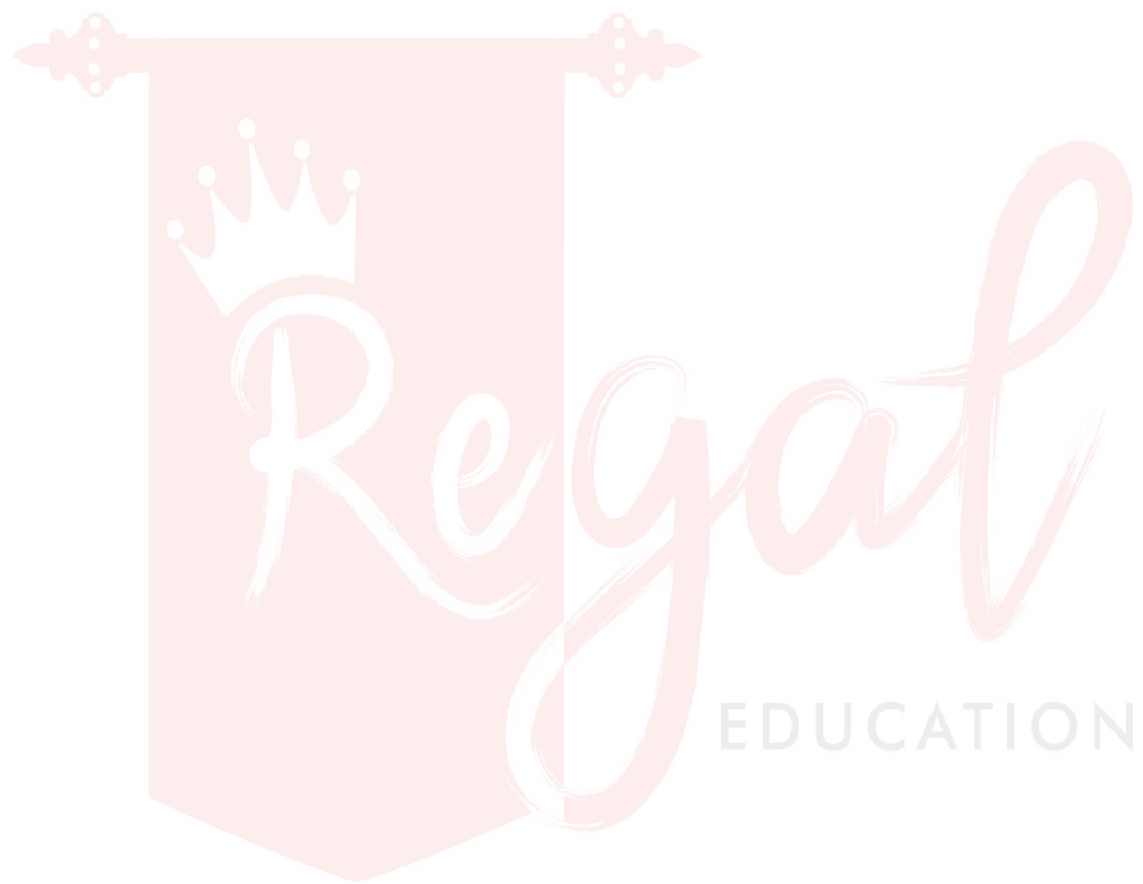
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My notes











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.

Unit 4

- ✓ Cut out the vocabulary cards.
- ✓ Check how many words you remember.
- ✓ At the back of each card write down any information you find to be important about this word.
- ✓ Compare your notes and your friends'.
- ✓ Play with your friends.
- ✓ Mix all the cards together.
- ✓ Draw (take) a card. Read the word and try to guess what is written at the back of a card.
- ✓ Read what is written at the back of a card and try to guess the word.
- ✓ Make up your own rules. Write them down.

Identifying the change

Write weathering, erosion, or deposition.

- ✓ Rain washes soil away from a farm field. Waves add sand to a beach.
- ✓ Bits of dirt fall to the bottom of a lake.
- ✓ Plant roots grow into a crack and break apart a rock.
- ✓ Glaciers slowly wear away rocks as they move.
- ✓ Part of a cliff falls into the sea.
- ✓ Waves tumble rocks until they are round and smooth.
- ✓ Mud and rocks roll down a hill in a landslide.
- ✓ Water in a rock freezes and expands, cracking the rock.
- ✓ A river slows down and drops soil to form a delta.

Volcano	Flood
Tornado	Erupt
Landslide	Weathering

Write down Key Words and most important Ideas

Weathering: Break it!

Deposition: Drop it!

Erosion: Move it!

My tea in the mug is a _____ 

The oxygen I breath in is _____ 

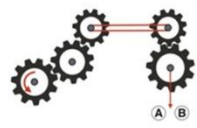
The ocean is _____ 

My juice is a _____ 

My sandwich is _____ 

Will the red arrow point toward A or B?

Unit 6





Think about the direction of the force.

Compare your answer with your friends'.



