

3rd GRADE MINIMUM CONTENTS

UDI 1: WATER (3)

► THE PROPERTIES OF WATER

Water has different properties:

- Water has no taste, colour or smell.
- Water exists in three states: solid, liquid and gas.
- Water is a solvent. Many substances dissolve in water.
- Water doesn't have its own shape. Its shape depends on the container it is in.



► WHERE CAN WE FIND WATER?

Water is found all over the Earth.

- Sea water

Most water on Earth is in the **seas** and the **oceans**. Water from the seas is called **salt water**.



- Fresh water

On the surface of the continents there is water in rivers, streams and lakes. The water in **rivers** flows down from high ground towards seas, lakes and oceans. Most **lakes** contain fresh water. This water does not flow.



- Groundwater

Groundwater is water found under the Earth's surface. Areas where a lot of water is stored are called **aquifers**. People build **wells** to collect this water.



- **Snow and ice**

Water freezes and becomes **ice** and **snow** in cold weather.

Glaciers are large bodies of ice. Most of our planet's fresh water are contained in glaciers.

When temperatures are warmer, ice and snow melt and turn into liquid water again.

Sometimes, large pieces of ice break off and float in the ocean. These are called **icebergs**. Glaciers are large bodies of ice.



► **THE THREE STATES OF WATER**

Water can be found in three states in nature. These states are: **solid**, **liquid** and **gas**.



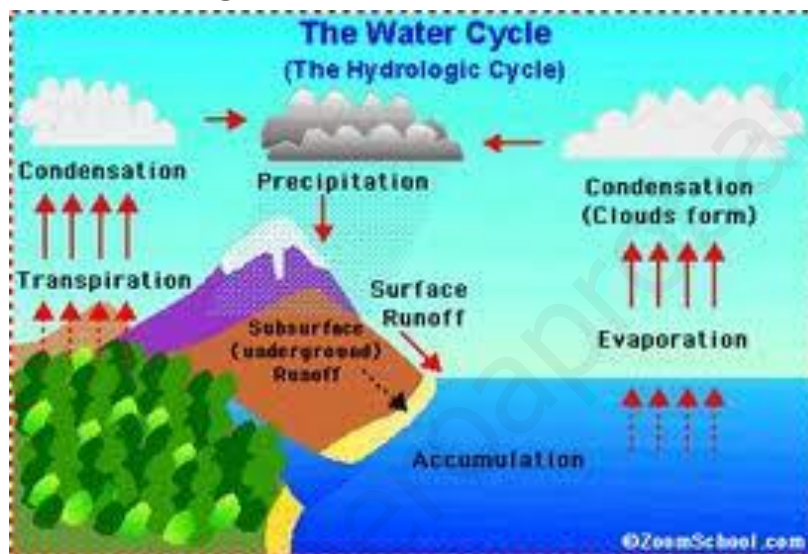
Water changes from one state to another when its temperature changes.

- When liquid water is cooled to below 0°C , it changes into ice. This is **solidification**.
- When ice is heated, it changes into liquid water. This is **melting**.
- When liquid water is heated, it changes into water vapour. This is **evaporation**.

- When water vapour cools, it changes into liquid water. This is **condensation**.

► THE WATER CYCLE

The Earth has a limited amount of water. This water is constantly moving. It is recycled over and over again. This process is called the **water cycle**. The water cycle has four stages: **evaporation**, **condensation**, **precipitation** and **collection**.



► USES OF WATER

Water has many different uses:

- For drinking. We can only drink clean fresh water.
- For cooking. We use water to boil and steam our food.
- For hygiene and cleaning. We use water to wash our hands, shower and clean our teeth. We also use water to clean our houses.
- For agriculture and industry. Farmers water their crops and give their animals water to drink. We use water in factories and to generate electricity.
- As a habitat. Many animals live in rivers, lakes and seas.
- For fun. We use water to swim, ski, surf...

► WE CAN SAVE WATER

Water is a valuable resource. We build artificial lakes called reservoirs to store water for use in the dry summer months.

We can save water:

- Do not throw rubbish in the toilet.
- Turn off the tap when you clean your teeth.
- Have showers, not baths.
- Turn off the shower when you wash your hair.
- Use dishwashers and washing machines with a full load.
- Do not water plants in the midday sun. The water evaporates quickly.



UDI 1: WATER (3)

ACTIVITIES

1.- What is water like? Read and correct the sentences.

a. Water has a bitter taste.

.....

b. Water has a dark blue colour.

.....

c. Water exists in two states: solid and liquid.

.....

d. Liquid water has a definite shape.

.....

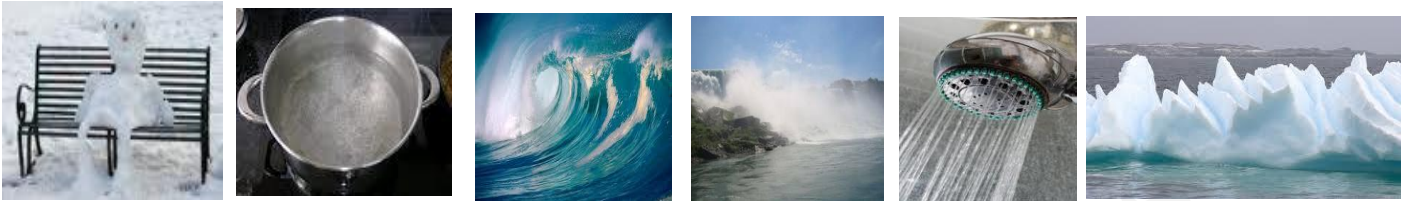
e. No many substances dissolve in water.

.....

2.- What kind of water can you find in these places? Tick the correct boxes.

	Salt water	Fresh water
Glaciers		
Rivers		
Seas		
Lakes		
Oceans		
Aquifers		

3.- Look at the photos of different states of water. Write S (solid), L (liquid) or G (gas).



4.- Read and complete the sentences.

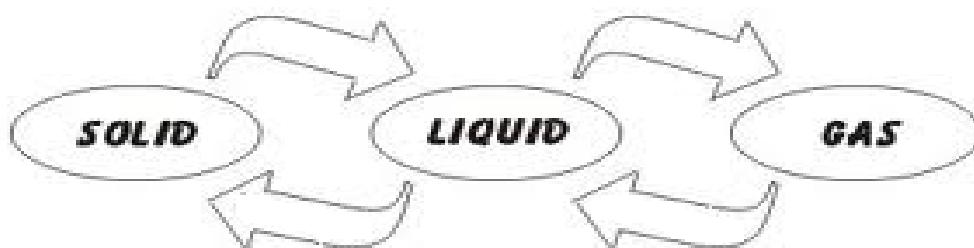
Glacier river ocean lake groundwater

- An is a large body of salt water.
- A is a body of water that does not flow.
- A is a large body of ice.
- is water found under the Earth's surface.
- A..... is water that flows from high ground to seas, lakes and oceans.

5.- Use the clues to complete the changes of state.

- Liquid water changes into ice. --l---f--a-i--
- Liquid water changes into water vapour. -v--o--t---
- Ice changes into liquid water. ---t-n-
- Water vapour changes into liquid water. --n-e--a--o-

6.- Complete the diagram with the words from Activity 5.



7.- Match the sentence halves.

- | | |
|----------------------------------|------------------------------------|
| a. Fresh water is found in | very expensive. |
| b. There is very little salt in | the seas and the oceans. |
| c. Most the water on Earth is in | fresh water. |
| d. Salt is eliminated from | salt water in desalination plants. |
| e. Desalted water is | rivers and lakes. |

8.- Find the words.

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

- | | |
|-------|--------------|
| cloud | condensation |
| lake | evaporation |
| rain | stream |
| river | water cycle |
| snow | hail |
| wind | sun |
| ocean | ice crystal |

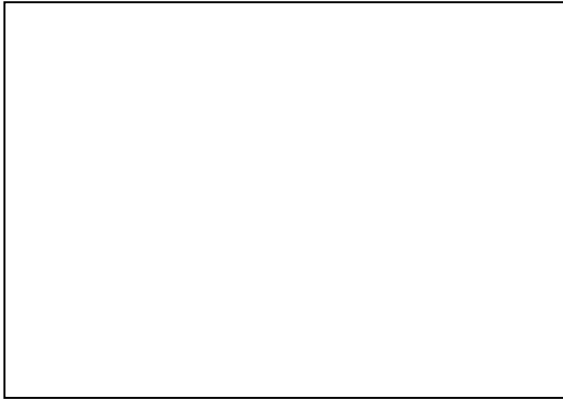


9.- Read and write precipitation, collection, evaporation or condensation.

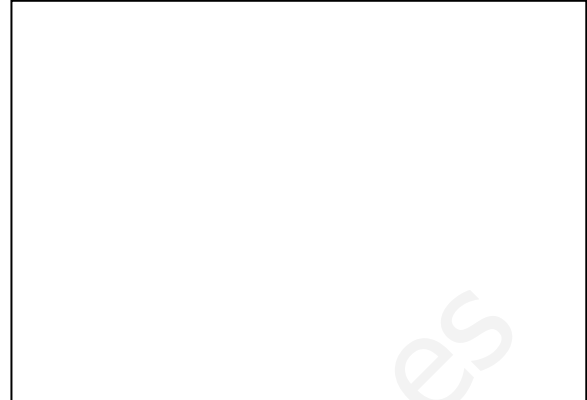
- is when the Sun heats water and it goes into the air.
- is when the water cools and changes into tiny drops of water and forms clouds.
- is when the water falls back to Earth as rain or snow.
- is when water collects in lakes, rivers, seas and oceans.



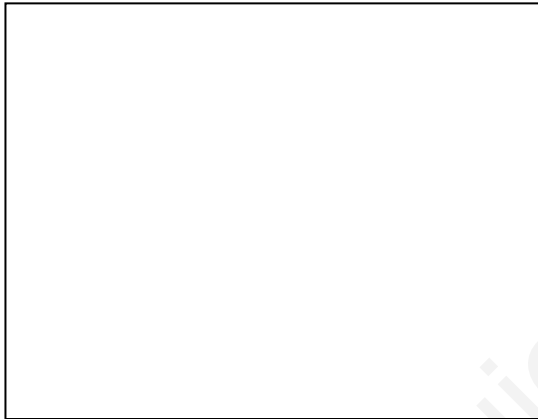
10.- How do we use the water? Draw.



as a habitat



for agriculture



for hygiene



for fun

11.- How do we save water? Read and match.

- | | |
|------------------------------|----------------------------|
| a. Turn off the tap | plants in the midday sun. |
| b. Turn off the shower | not a bath. |
| c. Use the washing machine | with a full load. |
| d. Do not water | when you wash your hair. |
| e. Have a shower | with a small load. |
| f. Do not use the dishwasher | when you clean your teeth. |

12.- Complete your bilingual dictionary.

WATER		
- Sea : _____	- Snow : _____	- Collection : _____
- Ocean : _____	-Ice : _____	- Water cycle: _____
- Lake : _____	- Iceberg : _____	- Stream : _____
- River : _____	- Groundwater: _____	- Ice crystal: _____
- Liquid : _____	-Solidification: _____	- Cloud : _____
-Solid : _____	- Melting : _____	- Rain : _____
- Glacier: _____	- Evaporation : _____	- Hail: _____
- Aquifer: _____	- Condensation: _____	- Wind: _____
- Well : _____	- Precipitation : _____	-Earth : _____

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