

Water

Who am I?

**I am tasteless, I am Colourless,
I am shapeless, I am Odourless,
But without me, there's no life.**

Can you tell me who m I?

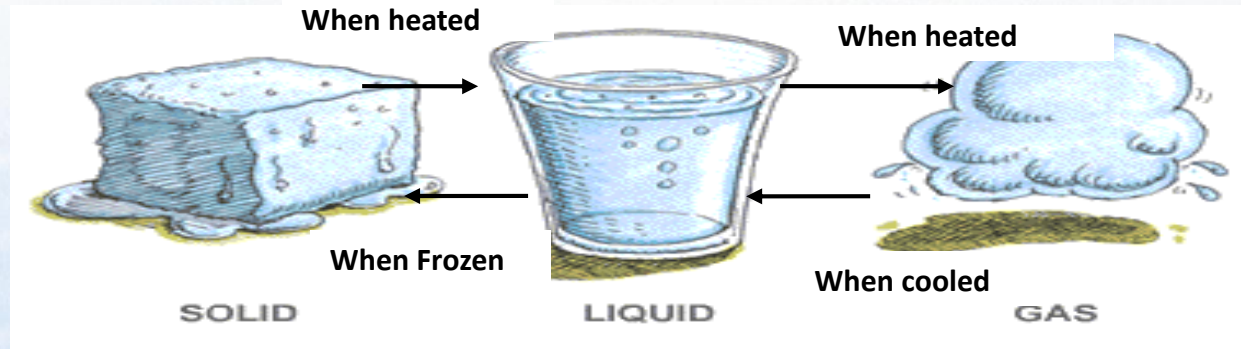
Yes! I 'm Water

Introduction to Water



- Water is the most common substance found on the Earth.
- About $3/4^{\text{th}}$ of the Earth is covered with water.
- Water can be found in ponds, rivers, lakes, oceans and seas.

Three Forms of Water



When water is heated, it into **steam** changes or **water** water vapour. This water vapour is a gas, which can be changed into by cooling. When kept in the 'freezer' of a refrigerator, water will change into solid **ice**. If you keep the ice in a warm place, it will change into water.

Three Forms of Water

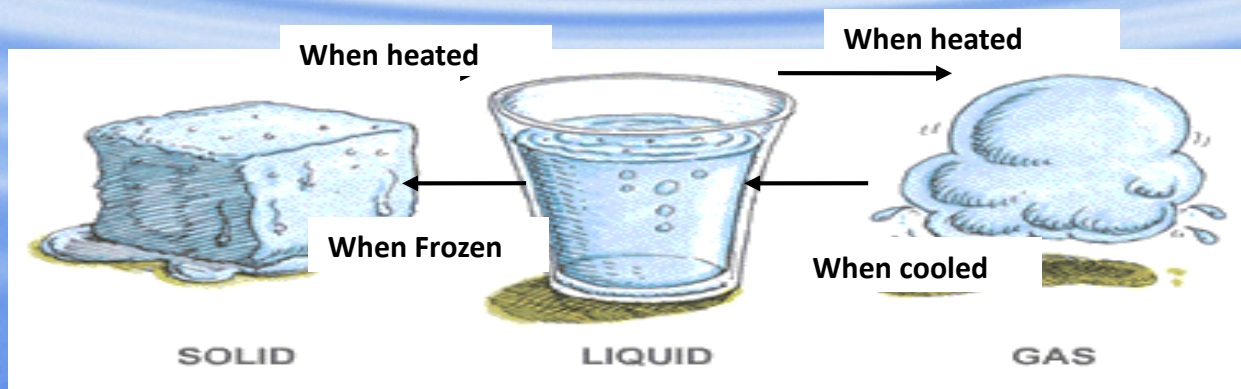
Water exist on the Earth in its three different states.

Ice

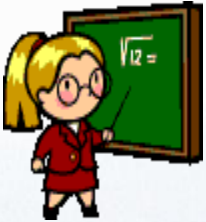
Water

Water Vapour

Earth is the only planet that support all these three states of water –solid, liquid, gas.



Properties of Water



- ~ Water is colourless.
- ~ Water has no smell. It is odourless.
- ~ Water is tasteless
- ~ Water is shapeless

Sources of Water

Water is found in rivers, seas, oceans and lakes. It is also stored underground.

Ocean :- The ocean water is salty , so we can not drink it .

River :- It is a channel of water. Melting snow from the mountains and rain provides water to the rivers.

Rain :- When water vapour in the air cools , it falls down as raindrops. Rain is the purest form of water

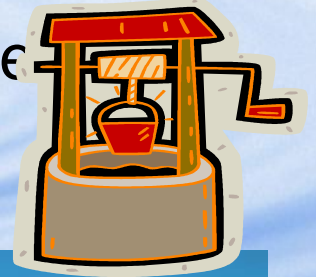
Sources of Water

Water is found in rivers, seas, oceans and lakes. It is also stored underground.

Waterfall :- Water falling from a height is called a waterfall. The world's biggest waterfall is the 'Niagara falls'.



Well:- Wells are an important source of water in the Indian villages. A deep hole is dug in the Earth's crust to make a well.



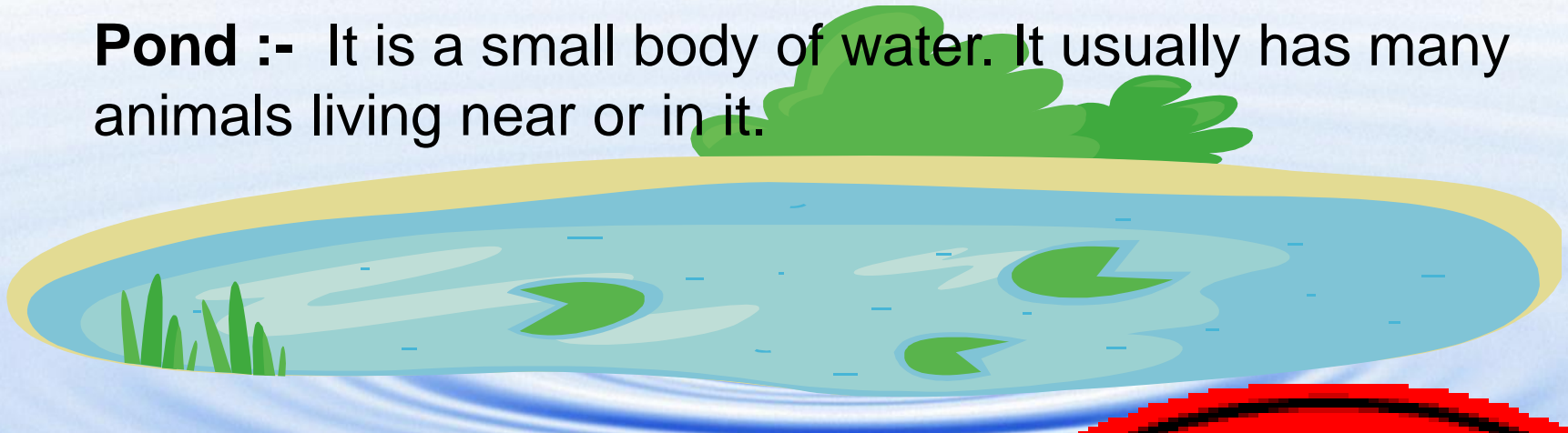
Spring :- It is stored underground water, which seeps from an opening in the ground.



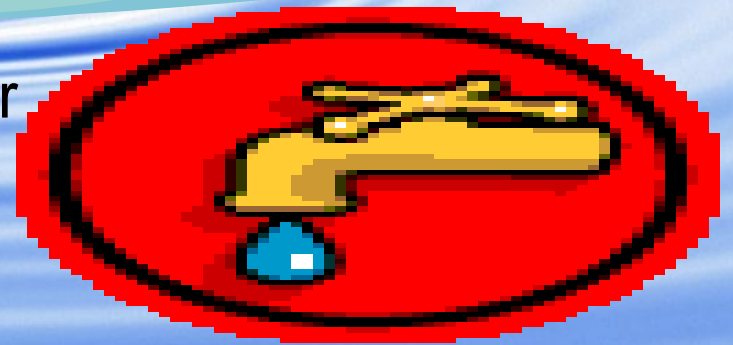
Sources of Water

Water is found in rivers, seas, oceans and lakes. It is also stored underground.

Pond :- It is a small body of water. It usually has many animals living near or in it.



Tap:- We get water from taps in our homes.



Uses of Water



Living things
needs water
to survive



It is used for
producing
electricity

Uses of Water



It is home to aquatic animals and plants



Human beings need water to cook food



It is used for washing and cleaning



Plants need it to prepare in presence of sunlight



It is used for transportation

Water and Human Beings



The body uses water in many ways:

- Water helps in making blood.
- It keeps our body cool during summer by making us sweat.
- It throws wastes from our body in the form of urine.
- It quenches our thirst.

Water and Plants



Plants also depend on water in many ways:

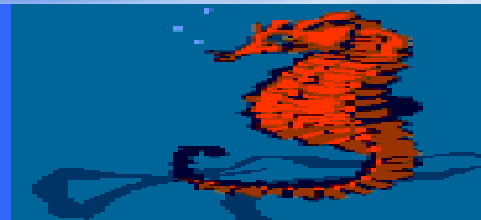
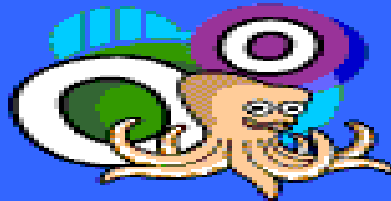
- Plant need water for their survival and growth.
- They make their food with the help of water ,sunlight, carbondioxide and green pigment(chlorophyll) in their leaves.

Water and Animals

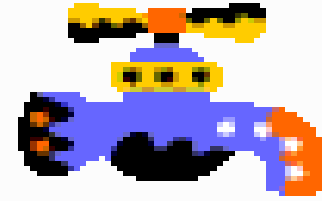


Just like Plants, animals too need water to live!

Aquatic life: the word “aqua” means “water”. Plants and animals that live in water are called aquatic plants and aquatic animals respectively. Animals that live on land as well as water are called amphibians. Frogs and toads are amphibians. Here are some aquatic animals.



Water Conservation



Every drop is precious!

Water conservation means to reduce the use of water. This can be done by finding the ways to reuse water.

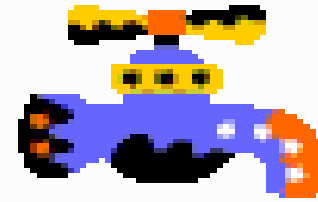
Water Conservation



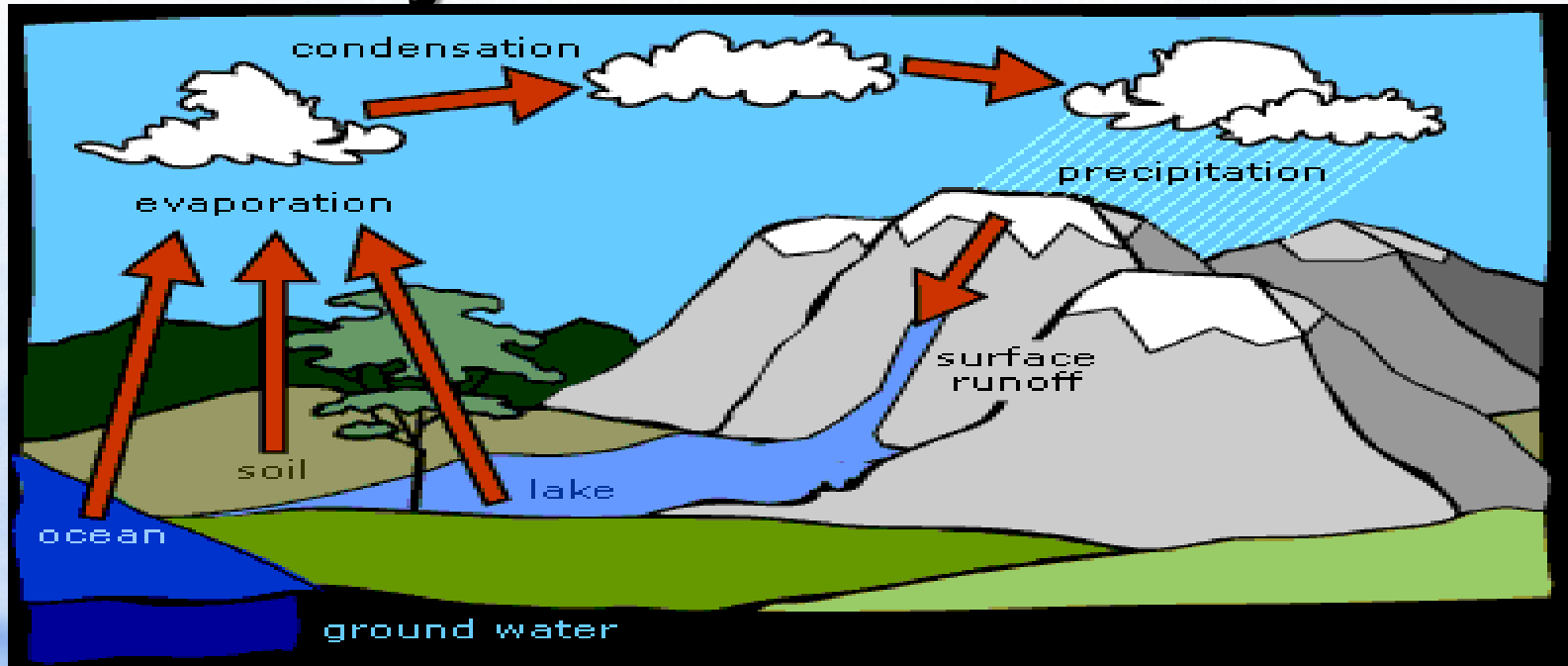
Ways to Save Water

- Do not let the water run while bathing, washing, brushing teeth, shaving etc.
- Use bucket instead of shower while bathing
- Collect water used to rinsing fruits and vegetables, then reuse it to water houseplants.

Water Conservation



Water cycle



Nature recycles and reuses its resources. Water is one such resource which gets recycled in the water cycle.

Monsoons or Rainy Season



The word 'monsoon' originated from the Arabic word *mausim* which means 'season' and denotes the rainy season.

Insects during rainy season

Rain water collects in puddles and empty containers. This is the ideal place for mosquitoes to lay their eggs. Malaria and dengue fever are among the main diseases that can develop in stagnant water.

Monsoons or Rainy Season



How a rainbow is formed?

A rainbow is one of the most beautiful marvels of nature. When sunlight passes through drops of rain, they spilt into seven colours of the rainbow.

V- Violet

I – Indigo

B - Blue

G - Green

Y- Yellow

O- Orange

R- Red



Monsoons or Rainy Season



Rainwater Harvesting

Rainwater harvesting means conserving rainwater.

We need to save rainwater because

- *rainwater is clean
- *rainwater is a precious resource
- *we can use this water for many useful purposes.

Water Sports

What is common between fishing, rafting and sailing? Yes ! Water is common to all these water activities.



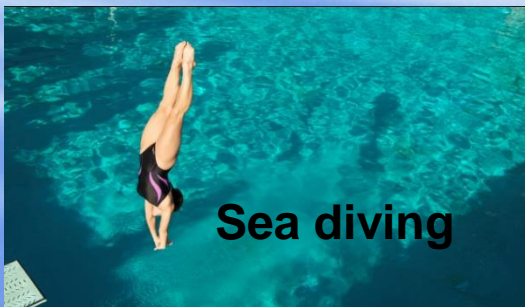
Water sking



Water Acrobatics



Water rafting



Sea diving



Water polo



fishing

THANK
YOU

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