



# Describe water sources

Present by GROUP (A)

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# 01 Introduction

- Water is a vital natural resource which forms the basis of all life.
- It is one of the marvelous gift to us.
- About 70% of the human body is water.
- The bodies of all plants and animals contain water.
- It has be estimated that the total water contained on earth is about  $1385.5 \times 10^{16}$



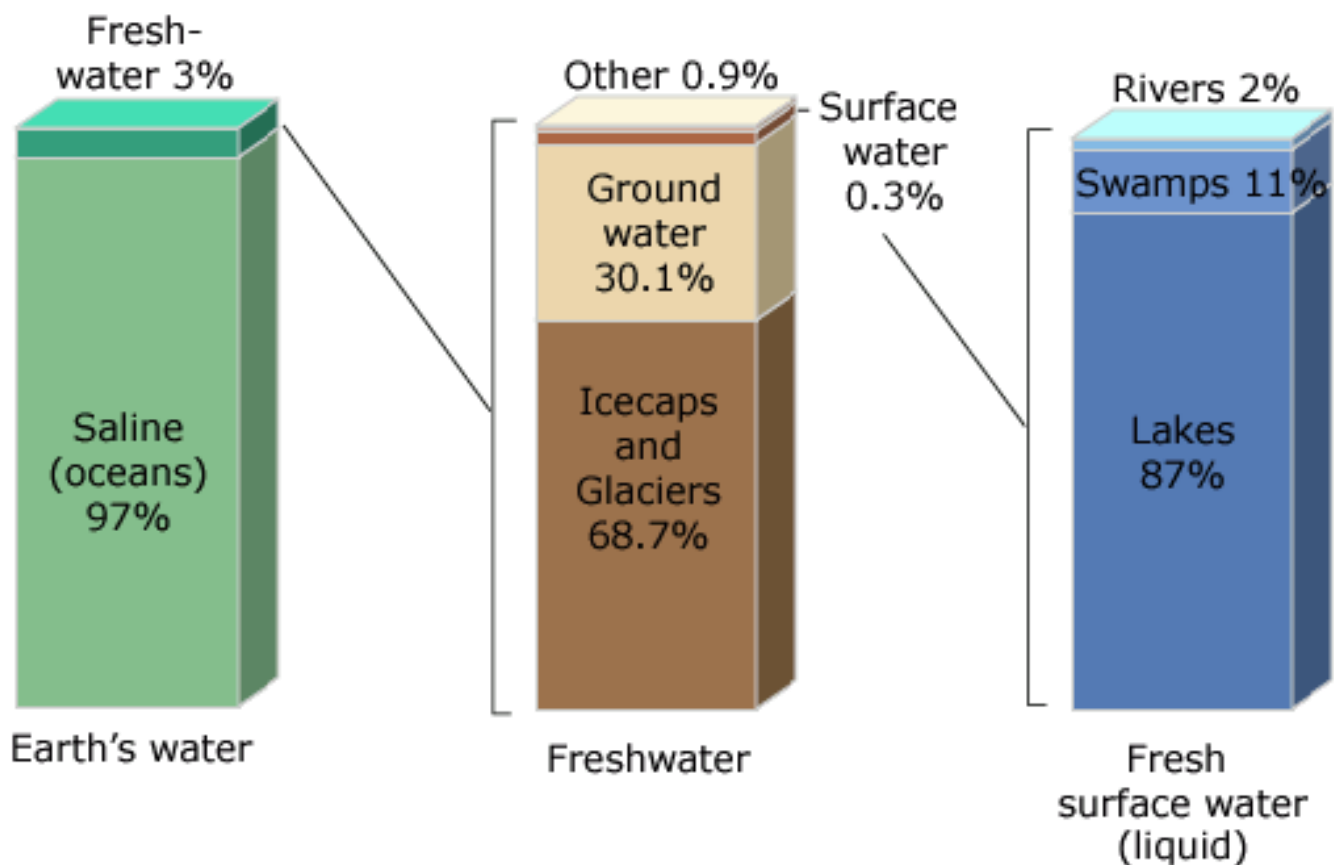
# 02 About water

- 97% of the water on the Earth is salt water. However, only 3% percent is fresh water; slightly over 2/3 of this is frozen in glaciers and polar ice caps.
- The remaining unfrozen freshwater is found mainly as groundwater, with only a small fraction present above ground or in the air.
- On the surface of earth 71% is covered by seas and oceans and remaining 29% is occupied by land.
- Fresh water is a renewable resource.

**03**

# **Distribution of water on earth**

## Distribution of Earth's Water





The background features a watercolor-style gradient of light blue and white, with soft, irregular edges. A thin, vertical blue line runs down the left side of the page. The text is centered horizontally and vertically.

# 04 Sources of water

# 1- Surface water

Water located on top of the Earth's surface, and may also be referred to as blue water. In common usage, it is usually used specifically for terrestrial (inland) water bodies, the vast majority of which is produced by precipitation and runoff from nearby higher areas.

# List of Surface water

Lakes



Ponds



Streams



Rivers



Storage reservoir



## 2- Ground water

The water found underground in the cracks and spaces in soil, sand and rock. It is stored in and moves slowly through geologic formations of soil, sand and rocks called aquifers.

# List of Ground water

## Open wells



## Tube wells



## Artesian wells



## Springs



## Infiltration



**05**

**Uses of water**

# Uses of water



## Consumptive use:

- ❖ Irrigation use

## Partial consumptive use:

- ❖ Domestic use
- ❖ Industrial use
- ❖ Institutional use
- ❖ Public use
- ❖ Fire demand

## Non-consumptive use:

- ❖ Navigational use
- ❖ Recreational use
- ❖ Hydro electric
- ❖ power generation
- ❖ Pollution control

The background features a watercolor-style texture with various shades of blue and white. A thin, vertical blue line runs down the left side of the image. The text is centered in the upper half of the frame.

# 06 Overuse of water



- Rapid population growth and increasing water use consumption for agriculture, industry and domestic have strained the world's fresh water resources.
- Water disputes between the Indian states are increasing as they have to meet the increase in water demand due to overuse of water.

- Due to expanding human population, competition for water is growing such that many of the world's aquifers are becoming depleted. this is due to overuse of water.

The background of the slide is a dynamic water splash. It features a color gradient from deep blue at the top to light blue and white at the bottom, where the water appears to be breaking and splashing. The overall effect is fresh and clean.

# 07 Conservation of water

- Excessive and unplanned use of water has depleted our water resources.
- Water conservation includes all the policies, strategies and activities made to manage fresh water as a sustainable resource, to protect the water environment, and to meet current and future human demand.
- Hence, there is immediate need for the conservation of water.

# 07 Summary

- The distribution of water on the Earth's surface is extremely uneven. Most of Earth's water is salty water in the oceans.
- On the Earth's surface, there is much more freshwater stored in the ground than there is in liquid form on the surface.
- Water resources including rivers, lakes or fresh water wetlands are known as surface water resources.
- Water sources like subsurface water or water within aquifers are known as ground water resources.

# Reference

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# Thanks!

Do you have any questions?

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