

# WATER RESOURCES



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# PREFACE

- \* Restricted access to water resource bears severe conflicts between communities and nations . Strategies should be developed and implemented .
- \* Therefore to transfer the ‘Helsinki Rules’ of equitable utilization
- \* principles in marine resource exploitation to the sustainable use of fresh water resources by local communities in water sheds.





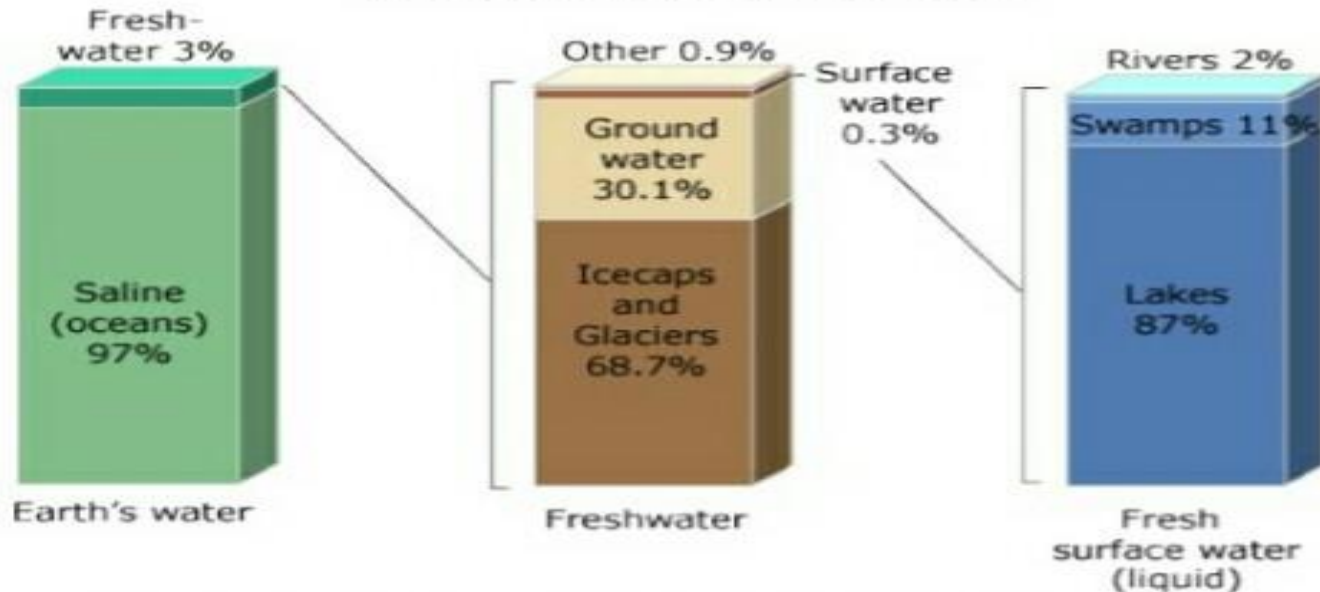
# INTRODUCTION

- \* Our Earth is called 'a blue planet' since nearly 71 % of its surface area is surrounded by water . Water is synonymous with life .
- \* It is a basic resource , as well as necessary , because plants , animals and human beings cannot survive without water



# Distribute of water on Earth

Distribution of Earth's Water



This is how the water is distribute on Earth. If you could see here that is most amount of water in the oceans.

\* According to its distribution and availability, water resources may be broadly classed as :

- i. **Underground water**
- ii. **Surface water**





## ➤ Underground Water Resources

- Some of the rain that falls on the land evaporates , but much of its soaks into the ground .

## ➤ Surface Water Resources

- On the Earth's surface , water occurs at streams , lakes , seas , and oceans .



# USES OF WATER

- \* **Agricultural** : It is estimated that 69% of worldwide water use is for irrigation , 15-35% of irrigation withdrawals being unsustainable. Agriculture is a small but growing agricultural use of water .
- \* **Industrial** : It is estimated that 15% of worldwide water use is industrial . The distribution of industrial water uses that is various widely .





- \* **Household** : It is estimated that 15% of worldwide water use is for households purposes. These includes drinking water , bathing , cooking , sanitation etc .
- \* **Environmental** : Explicit environmental water use is also a very small but growing percentage of total water use .



# WATER CONSUMPTION PATTERN

- \* Water resources are not evenly distributed ; some areas have abundant water while others have little .
- \* In fresh water poor areas , such as the Middle East and North Africa , desalinization is used to provide people with water for domestic and other needs .



# WATER POLLUTION

\* Thus the twin problems connected with water are its pollution and depletion . The chief sources of pollution are :

1. Sewage and other waste
2. Industrial effluents
3. Agricultural discharges
4. Industrial waste



# CONSERVATION OF WATER RESOURCE

- \* Exploitation of water resources has increased manifolds due to continuous increase in pollution , industrialization and expansion in irrigation .
- \* Water is becoming a scarce resource day by day .

The future seems to be black in respect of availability of water resources .





# TECHNIQUES OF WATER CONSERVATION

\* It is necessary that suitable conditions are created so that sufficient rain water goes underground .

## 1. Redistribution of water

- Reservoirs
- Canals

## 2. Rational use of underground water

## 3. Use of geothermal water

## 4. Protection of water from pollution

## 5. Towing icebergs



# CONCLUSION

- \* water resources is everyone's concern .
- \* The consumption has been increased significantly due to population growth .
- \* Many sources of water have become unusable .
- \* To save the water resources and more important our beautiful world .





Thank You...