SOURCES OF WATER

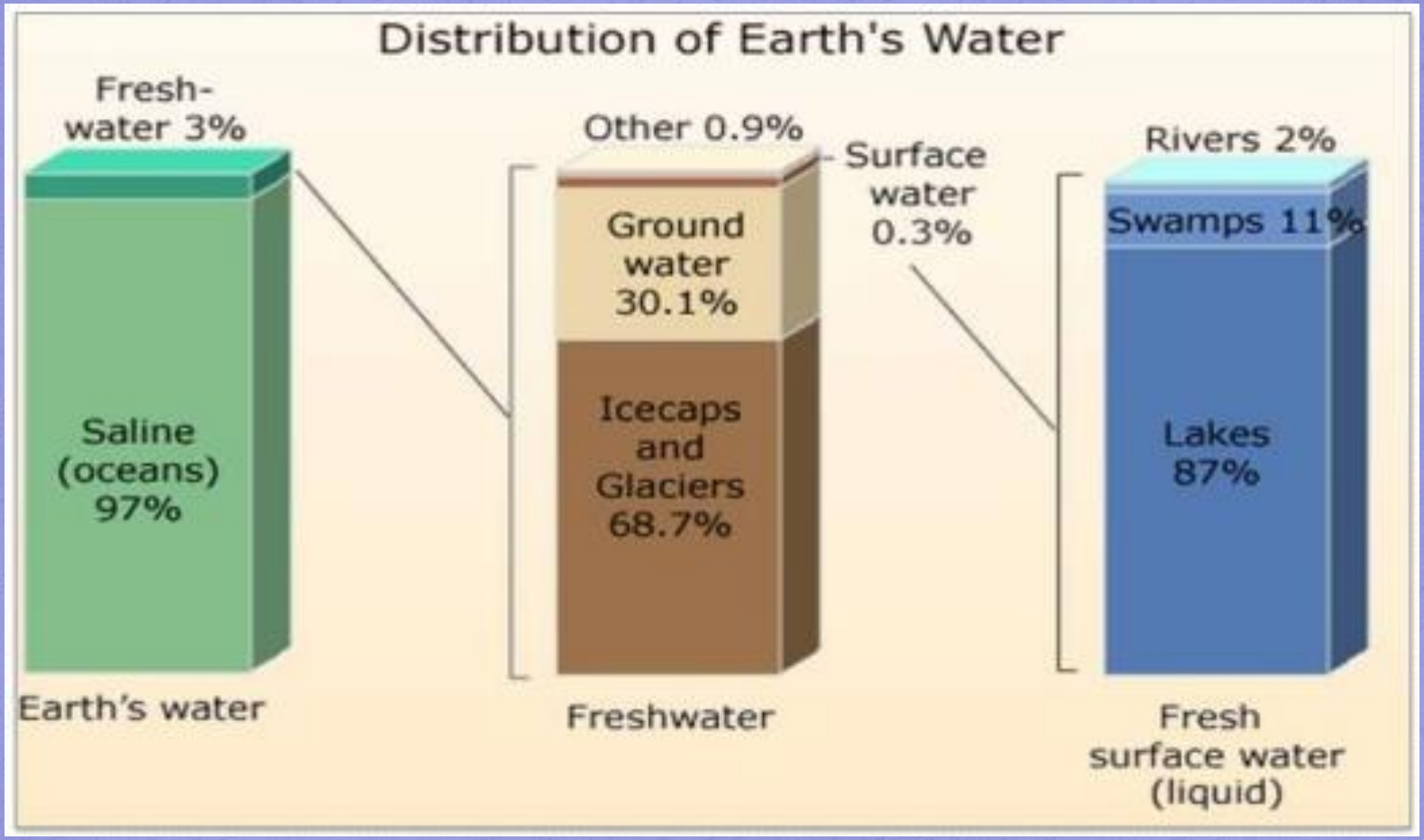
Introduction

- 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.

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.

Distribution of water on earth



Sources of water

Surface water

- Lake
- Ponds
- Streams
- Rivers
- Storage reservoir

Ground water

- Open wells
- Tube wells
- Artesian wells
- Springs
- infiltration

Surface water

- Surface water is water on the surface of the planet such as in a river, lake, wetland, or ocean. It can be contrasted with groundwater and atmospheric water.
- Non-saline surface water is replenished by precipitation and by recruitment from ground-water. It is lost through evaporation, seepage into the ground where it becomes ground-water, used by plants for transpiration, extracted by mankind for agriculture, living, industry etc. or discharged to the sea where it becomes saline.

1) Lake

2) Ponds

3) Streams

4) Rivers

Ground water

- Ground water is the water present beneath Earth's surface in soil pore spaces and in the fractures of rock formations.

1) Open wells

2) Tube wells

3) Artesian well

4) Infiltration galleries