

SCIENCE
CLASS 6
CHAPTER 14-WATER

WHERE DO WE GET WATER FROM?

- About 2/3rd of the earth is covered with water most of which is in oceans and seas.
- The water in oceans and seas has many salts dissolved in it.

SOURCES OF WATER

- **RAINWATER**- Rain is our main source of water. It rains when the water vapour in the air condenses. Therefore rainwater is free from germs and soluble solid impurities.
- **GROUNDWATER**- Groundwater passes through the soil , it gets filtered by several layers of sand and rock. It is therefore , almost free of suspended impurities.

WATER CYCLE

A cycle is something that occurs repeatedly in the same order.

Water moves from the earth to the air and back again. The circulation of water in the earth-atmosphere system. The processes involved in it are evaporation, transpiration, condensation and precipitation.

EXPLANATION:

The water in seas, rivers, lakes, ponds or streams evaporates because of the heat of the sun. Plants also give out large amount of water from their leaves during transpiration. The water vapour rises up. The air higher up in the atmosphere is cooler, this condenses the water vapour to form water droplets. Many such droplets of water together form clouds. When they become too heavy , they fall on the earth as rain.

FLOOD AND DROUGHT

FLOOD- In most parts of the country it rains heavily during monsoon months. Excess of rainwater may lead to rise in the level of water bodies. The water may then spread into large areas causing flood. The flow of water can be very strong , damaging crops , roads and houses.

DROUGHT- In our country there is very little rainfall during summer months. This leads to the shortage of water. The soil continues to lose water by evaporation and transpiration and hence becomes dry. The groundwater also becomes scarce. Shortage of water affects all of us.

HOW CAN WE CONSERVE WATER?

- Avoid wastage of water, recycle wherever its possible.
- Reduce water pollution
- Plant trees and other vegetation
- By rainwater harvesting- Storing rainwater for later use is known as rainwater harvesting. The two ways of rainwater harvesting are:
 - A)Rooftop rainwater harvesting- In this, the rainwater is directed to the ground from the rooftop and stored as ground water.
 - B)Another option is to allow water to go into the ground directly from the roadside drains that collect rainwater.