Class: 7th Geography

Chapter-5 Water

Module 1

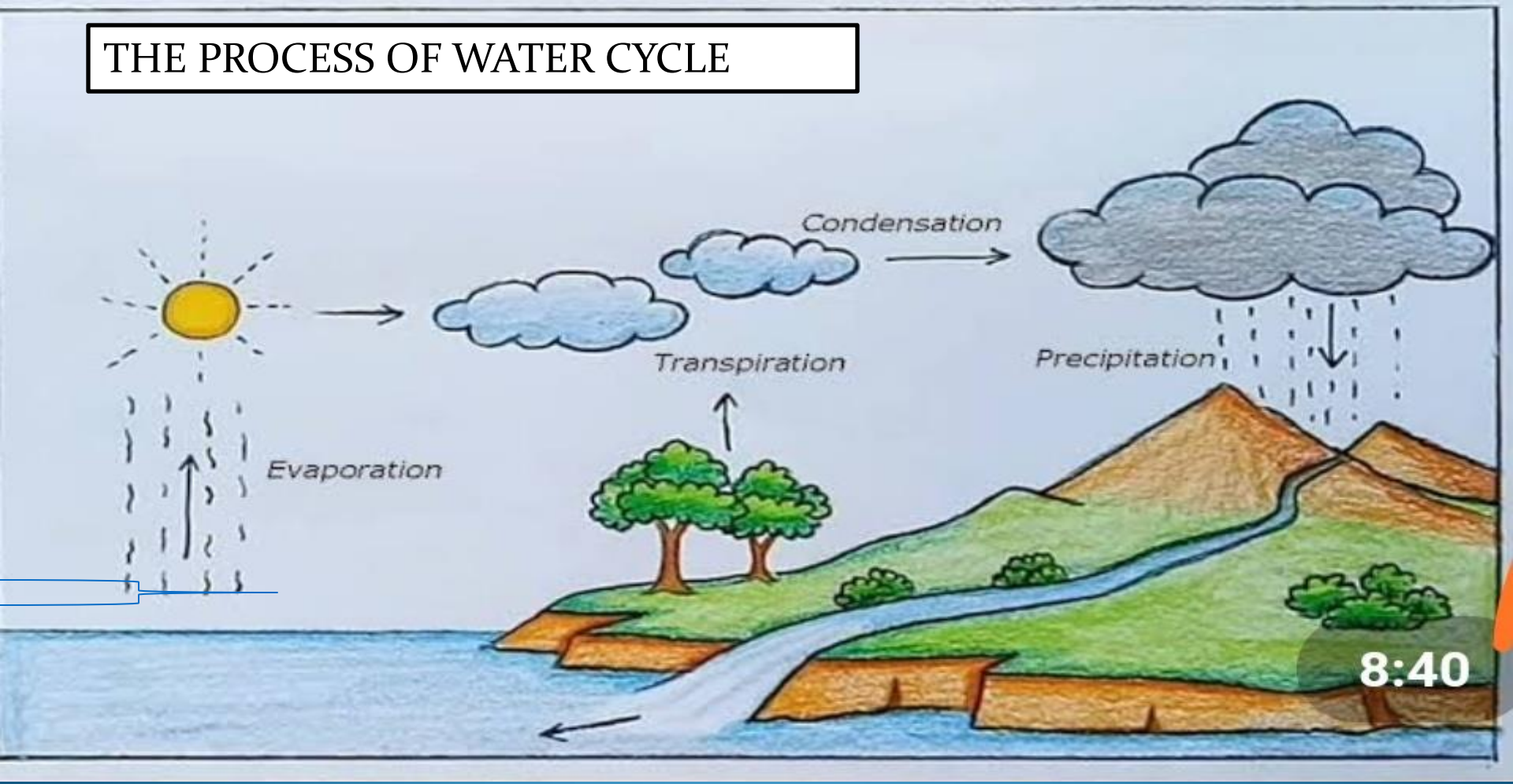
~Made By
Mr. Munde M. L.
TGT [ENG & SS],

AECS KAKRAPAR

WATER CYCLE

- The Sun's heat causes evaporation of water vapour.
- Water vapour rises up high into the sky, it cools down, and turns back into liquid, forming clouds. This is called **as condensation**.
- When too much water has condensed, water droplets in the clouds become too big and heavy for the air to hold them. And so they fall back to the earth as rain, snow hail or sleet. This process is known as precipitation.
- The process by which water continually changes its form and circulates between oceans, atmosphere and land is known as the water cycle.
- Our Earth is like a Terrarium. The same water existed centuries ago still exist today.
- Note: Terrarium is an artificial enclosure for keeping small plants.

THE PROCESS OF WATER CYCLE



The water cycle describes how water evaporates from the surface of the earth, rises into the atmosphere, cools and condenses into rain or snow in clouds and falls again to the surface as precipitation.

This is how a Terrarium looks

The water which is given to the plant, evaporates from leaves and soil condenses and falls back in form of drops of water.

Major sources of fresh water

- Sources of fresh water-

1) Rivers

2) Ponds and Lakes

3) Springs

4) Glaciers

- The ocean bodies and the seas contain salty water. The water of the oceans is salty or saline as it contains large amount of dissolved salts.

Distribution of Water Bodies

- The 71% of the earth surface is covered by water.
- If there is more water than land, why do so many countries face water scarcity?
- There is water scarcity in many countries because 97.3 % water is in oceans. The water of the oceans is salty or saline and cannot be used directly.
- Only 2.7% of Earth's water is fresh water. Of that, less than 1 % water can be used as drinking water; the rest is locked up in glaciers, ice caps, and buried deep in the ground.

The distribution of water

Oceans-	:	97.30%
Ice Caps-	:	2.00%
Ground water-	:	0.68%
Fresh water lakes-	:	0.009%
Inland seas and salt lakes-	:	0.009%
Atmosphere-	:	0.0019%
Rivers-	:	0.0001%