

WATER IN OUR WORLD

PRESENTATION, NOTES & QUIZ

- 55 Slides with editable video slides and recommendations
- 9 Pages of Guided Notes
- Multiple choice and Short answer Quiz

WATER IN

WHY DO SCIENTIST STUDY WATER?

- Pollution Control: Monitoring water quality identify pollutants and contamination sources, enabling remediation.
- **Climate Change**: Monitoring climate change changes in availability.
- Public Health: Monitoring and maintaining water health.

WATER

- **Groundwater** is water that is located below the surface, occupying the spaces within rock formations. It is a vital source of water for many communities.
- **Aquifers** are geological formations that can store and transmit significant amounts of groundwater.

- Unconfined Aquifers: Open to the surface, these aquifers are replenished by rainfall and surface water infiltration.

- Confined Aquifers: Trapped between impermeable layers.

REMEMBER THE WATER CYCLE?

- The **Sun** is the primary source of heat in the water cycle, causing evaporation to occur.
 - Without the Sun's heat, all water on Earth would freeze.
- The water cycle is responsible for moving around 100 cubic kilometers of water each year, with most of it evaporating from the ocean and landing in the ocean.
- **Climate change** accelerates the water cycle due to **rising global temperatures**, leading to **precipitation and increased evaporation**.

