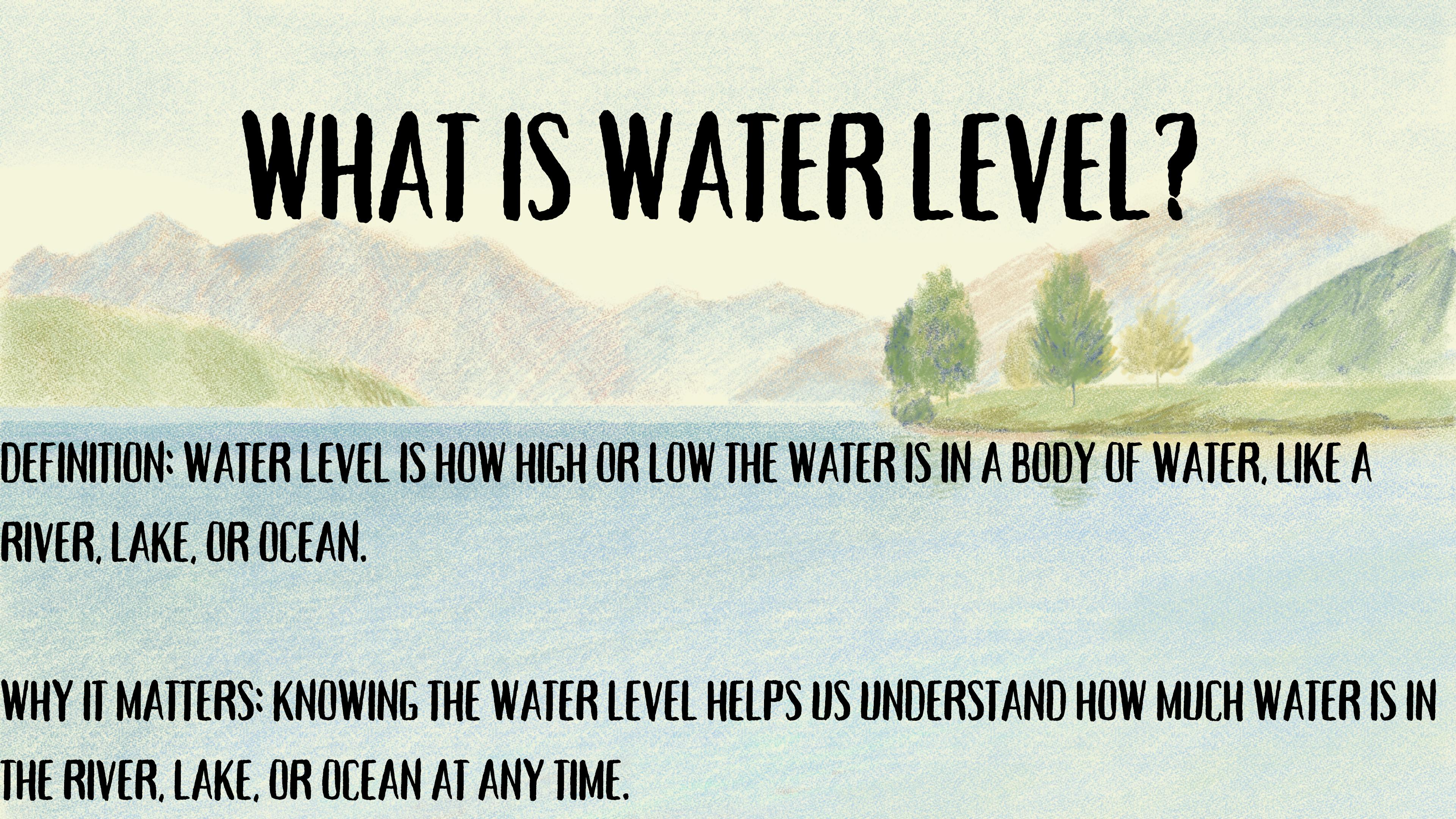
The background features a large, central water splash in shades of blue and white, set against a gradient background transitioning from light blue at the top to a warm orange and yellow at the bottom. The water is captured in mid-motion, with numerous small droplets and larger, more defined splashes.

WATER LEVEL

WHAT IS WATER LEVEL?

A colorful illustration of a landscape featuring rolling hills in shades of blue, green, and yellow. In the foreground, there's a body of water with a small, green, leafy tree standing on its edge. The background shows more hills under a light blue sky.

DEFINITION: WATER LEVEL IS HOW HIGH OR LOW THE WATER IS IN A BODY OF WATER, LIKE A RIVER, LAKE, OR OCEAN.

WHY IT MATTERS: KNOWING THE WATER LEVEL HELPS US UNDERSTAND HOW MUCH WATER IS IN THE RIVER, LAKE, OR OCEAN AT ANY TIME.

WHY IS WATER IMPORTANT?

- WE NEED WATER TO LIVE: WE DRINK IT, USE IT TO CLEAN, AND IT HELPS PLANTS GROW.
- HOMES FOR ANIMALS: FISH, FROGS, AND OTHER ANIMALS LIVE IN WATER.
- FUN ACTIVITIES: WE SWIM, FISH, AND BOAT IN WATER!



HOW DOES WATER LEVEL CHANGE?

- DAILY CHANGES: WATER LEVELS GO UP AND DOWN BECAUSE OF THE TIDES IN OCEANS.
- WEATHER CHANGES: WHEN IT RAINS, THE WATER LEVEL CAN RISE. WHEN IT'S DRY, IT CAN FALL.
- SEASONS: WATER LEVELS CAN BE HIGHER IN THE SPRING WHEN THERE'S MORE RAIN AND LOWER IN THE SUMMER.

HOW DO WE MEASURE WATER LEVEL?



- TOOLS WE USE: SCIENTISTS AND ENGINEERS USE TOOLS LIKE RULERS, MEASURING TAPES, AND WATER LEVEL SENSORS TO MEASURE HOW HIGH OR LOW THE WATER IS.
- WATER LEVEL SENSOR: THIS TOOL HELPS MEASURE THE WATER LEVEL IN RIVERS, LAKES, OR OCEANS. IT CAN EVEN SEND INFORMATION TO A COMPUTER!

FUN FACTS ABOUT WATER LEVEL



- TIDES: THE OCEAN'S WATER LEVEL GOES UP AND DOWN EVERY DAY—THIS IS CALLED A TIDE.
- FLOODING: IF THERE'S TOO MUCH RAIN, THE WATER LEVEL CAN RISE SO MUCH THAT IT FLOODS THE LAND.
- DROUGHT: WHEN THERE'S NOT ENOUGH RAIN, WATER LEVELS CAN DROP AND CAUSE A DROUGHT.

WHY SHOULD WE CARE ABOUT WATER LEVELS?

- PROTECTING NATURE: WATER LEVELS TELL US IF ANIMALS LIKE FISH OR FROGS HAVE ENOUGH SPACE TO LIVE.
- SAFETY: HIGH WATER LEVELS CAN CAUSE FLOODING, WHICH CAN BE DANGEROUS. LOW WATER LEVELS CAN AFFECT THINGS LIKE BOATING OR FISHING.
- SAVING WATER: UNDERSTANDING WATER LEVELS HELPS US KNOW HOW MUCH WATER WE HAVE AND HOW TO USE IT WISELY.

HOW CAN WE HELP?

- USE WATER WISELY: DON'T WASTE WATER AT HOME—TURN OFF THE FAUCET WHEN BRUSHING YOUR TEETH.
- HELP KEEP WATER CLEAN: DON'T LITTER IN RIVERS OR LAKES. KEEP OUR WATER CLEAN AND SAFE FOR ANIMALS AND PEOPLE!
- LEARN MORE: STAY CURIOUS AND LEARN MORE ABOUT HOW WATER AFFECTS OUR WORLD!