



BLOCK-2

What do we measure and why?
What influences the values?

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- Info text: five parameter profiles (pH, conductivity, temperature, turbidity, oxygen)
- Short section: What influences the values?
- Quiz: 8 scenarios to apply
- Sample solution with brief explanations

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The five values are interrelated and change with the conditions. The most important influences:

- Rain and weather: Heavy rain washes in soil (turbidity increases) and can dilute values or – via the sewage system – also pollute them.
- Season and temperature: In warm summer, the oxygen content drops, biological processes run faster.
- Discharges: Wastewater, fertilizer from fields or road salt in winter primarily change conductivity and pH.
- Time of day: Water plants produce oxygen during the day and consume it at night – the oxygen level fluctuates throughout the day.

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Note: A single measured value says little. Only the comparison – over time or between two locations – makes abnormalities visible.

- This is exactly what we practice in Block 5

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