
Question 25 (5 marks)

What is the relationship between dissolved oxygen and biochemical oxygen demand and why is it important to monitor both in natural ways?

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as BOD ↑ DO ↓
dissolved oxygen is necessary for life in waterways to function. if it is depleted then natural processes will be disrupted as most life in the water disappears & anaerobic bacteria take over decomposition. ∴ it must be monitored carefully

if BOD ↑ it is a sign that more waste is being broken down, using oxygen. This could signal human activity to a detrimental level.
if BOD ↑ too much ∴ ↓ DO then the consequences are dire ∴ both indicators must be monitored.
