
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?

5

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 ~~waste~~ 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.
