

Pollution

Effects of untreated sewage on a river?

Pollution

How does fertiliser get into rivers?

Pollution **Supplement**

Order the stages of eutrophication.

Pollution **Supplement**

What causes the fall in dissolved oxygen in eutrophication?

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Why are plastics a problem in the environment?

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Two effects of plastic on land?

Pollution

Sources of carbon dioxide and methane?

Pollution

What is the enhanced greenhouse effect?

Rain washes (leaches) excess fertiliser from fields into streams and rivers.

Adds nitrates, microorganisms and organic matter; oxygen is used up and organisms die.

Increased aerobic respiration by decomposers breaking down dead producers.

More nitrate, producers grow, producers die and decompose, aerobic respiration by decomposers, oxygen falls, organisms die.

Fills landfill sites; animals eat or are trapped by plastic; chemicals build up in soil.

They are non-biodegradable, so they persist and harm animals by blockage or entanglement.

Extra infrared radiation trapped by raised CO₂ and methane levels, warming the Earth and causing climate change.

CO₂: burning fossil fuels and forests.
Methane: cattle, rice paddy fields, landfill.