

Solutions

Each answer shows the steps, then the **result**.

2.1

- A harmful change (usually rise) in water temperature from human activity

2.2

- Warm water holds less dissolved oxygen

2.3

- Any one: power plant/factory cooling discharge, hot pavement runoff

3.1 B

- holds less dissolved oxygen

3.2

(a)

- The hot water warms the lake, lowering dissolved oxygen while raising fish metabolism (higher oxygen demand), so fish suffocate

(b)

- Use a cooling tower/pond before releasing the water

3.3

- In summer the water is already warm with low oxygen, so extra heat pushes oxygen even lower, more easily killing fish