

## 10.2 Fertilisers

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Total: 8 marks**

**KEY WORDS** potassium 钾 • phosphorus 磷 • fertilisers 肥料 • nitrogen 氮气  
• deoxygenation 缺氧

### Objective

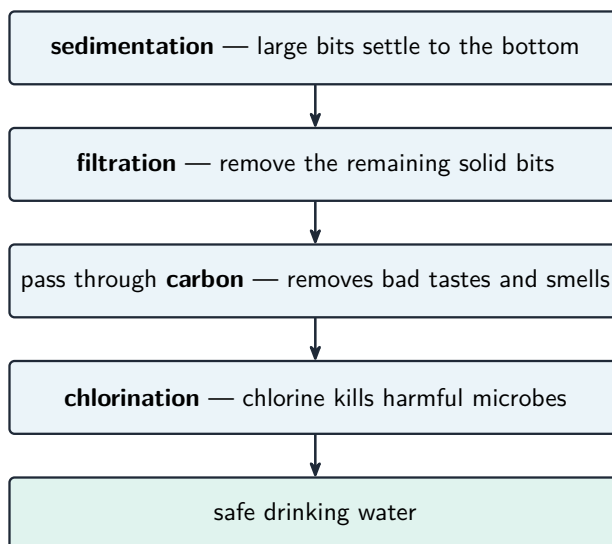
Build the skills to answer exam questions on **fertilisers** 肥料 — what they do and the three key elements (**NPK**).

**You must be able to:**

- state what fertilisers are used for
- name the three elements in NPK fertilisers
- recognise common fertilisers (ammonium salts, nitrates)

### 1 Worked examples

#### ■ NPK fertilisers



*Fertilisers add the elements plants need; excess nitrates can run off into water*

- **fertilisers** help plants grow; common ones are ammonium salts and nitrates.
- **NPK** supplies **N**itrogen, **P**hosphorus and **K** (potassium).

## 2 Practice

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**2.1** State what fertilisers are used for. [1]

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**2.2** Name the three elements in an NPK fertiliser. [3]

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## 3 Exam-style questions

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**3.1** The letter N in NPK fertiliser stands for: [1]

|   |   |
|---|---|
| A | B |
| C | D |

**A** sodium

**B** nickel

**C** nitrogen

**D** neon

**3.2** Ammonium nitrate is used as a fertiliser.

(a) Name the element it supplies that promotes leaf growth. [1]

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(b) Explain one problem caused if too much fertiliser washes into rivers. [2]

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