

Exercise walk-through

Fertilisers ■ 10.2

eXercise

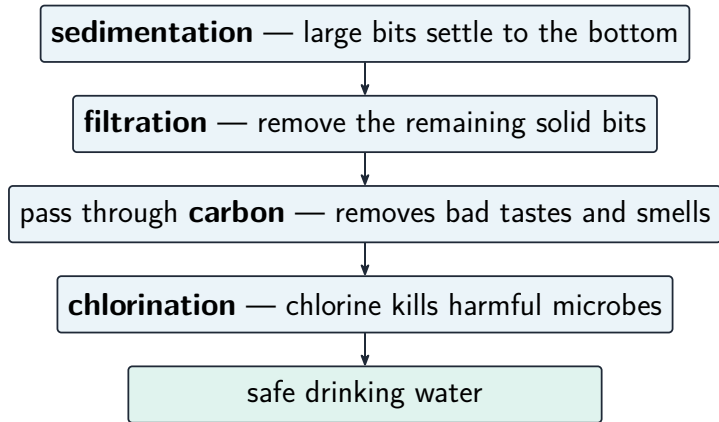
You must be able to

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

Method — NPK fertilisers

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

Method — NPK fertilisers



Water treatment flow — nitrates from fertilisers can enter water

Practice 2.1 ■ 1 mark

State what fertilisers are used for.

Solution 2.1

Worked steps

to help plants grow (replacing nutrients in the soil) **B1**.

Practice 2.2 ■ 3 marks

Name the three elements in an NPK fertiliser.

Solution 2.2

Worked steps

nitrogen, phosphorus and potassium **B1** **B1** **B1**.

Exam-style 3.1 ■ 1 mark

The letter N in NPK fertiliser stands for:

A sodium

B nickel

C nitrogen

D neon

Solution 3.1

A sodium

B nickel

C nitrogen



D neon

Worked steps

C. N stands for nitrogen.

Exam-style 3.2 ■ 1 mark

Ammonium nitrate is used as a fertiliser.

- (a) Name the element it supplies that promotes leaf growth.
- (b) Explain one problem caused if too much fertiliser washes into rivers.

Solution 3.2

Method: NPK fertilisers

Worked steps

- (a) nitrogen **B1**.
- (b) the extra nitrates cause deoxygenation of the water **M1**, which harms aquatic life **A1**.