

Question 30 (Answer: **A**)

- Nitrogen must come from an ammonium or a nitrate ion.
- Phosphorus must come from a phosphate ion, and potassium from a potassium salt.
- Ammonium phosphate supplies N and P, and potassium chloride supplies K – all three.

Question 18 (Answer: **B**)

- A gas that turns damp red litmus blue is ammonia – the only common alkaline gas.
- Ammonia is released when an ammonium salt meets a base.
- So a basic oxide has been mixed with an ammonium fertiliser, losing the nitrogen to the air.