

**Question 1**

1(a)(i)	phosphate	1
1(a)(ii)	ammonium sulfate	1
1(a)(iii)	0.24 (mg)	1
1(c)	improved plant growth	1

**Question 2**

2(b)	ammonium nitrate	1
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**Question 3**

3(d)	2nd box down ticked (potassium chloride)	1
	3rd box down ticked (sodium phosphate)	1

**Question 4**

4(a)	potassium (1)	2
	phosphorus (1)	

**Question 5**

5(c)(i)	H <sub>2</sub> SO <sub>4</sub>	1
5(c)(ii)	fertiliser	1
5(c)(iii)	<b>M1</b> $M_r$ of (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> = 132 (1) <b>M2</b> $2 \times 14 = 28$ and %N = $100 \times 28 / 132 = 21.2\%$ (1)	2

**Question 6**

6(d)	nitrogen	1
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