

0	1
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Sodium hydroxide and hydrochloric acid react to produce sodium chloride and water.

0	1	.	1
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Name the type of reaction described.

[1 mark]

Neutralisation

0	1	.	2
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Explain, in terms of ions and molecules, what happens when any acid reacts with any alkali.

[3 marks]

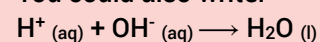
Hydrogen ions/H<sup>+</sup> in the acid [1]

React with hydroxide ions OH<sup>-</sup> in the alkali [1]

To produce water [1]

**TOP TIP :**

You could also write:



This would get you all 3 marks!

0	1	.	3
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Ammonium chloride is a useful substance made by a similar reaction to the above. Name the acid that would be used to form ammonium chloride.

[1 mark]

Hydrochloric acid [1]

**DON'T FORGET :**

Remember hydrochloric acid produces chlorides, nitric acid produces nitrates, sulfuric acid produces sulfates

End

(Total 5 marks)