

**AQA, OCR, Edexcel**

# **GCSE Science**

## **GCSE Chemistry**

**Reaction of acids  
Questions**

**M M E**

**Mathsmadeeasy.co.uk**

**Total Marks: /22**

Q1: What is produced when acids react with metals that are not in group 1?

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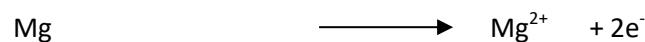
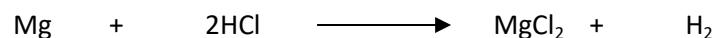
(2 marks)

Q2: Fill in the spaces with the words in the boxes.

Oxidation is \_\_\_\_\_ of electrons. Reduction is \_\_\_\_\_ of electrons.

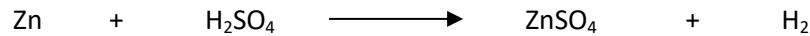
(2 marks)

Q3: Magnesium reacts with hydrochloric acid in the equation below. Label which reaction is oxidised and which is reduced.



(2 marks)

Q4: Zinc reacts with sulphuric acid in the equation below. Write out two separate equations for the species that are oxidised and reduced.



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Then label the species that has been oxidised or reduced.

(4 marks)

Q5: Acids can be neutralised by bases. This produces two products, what are they?

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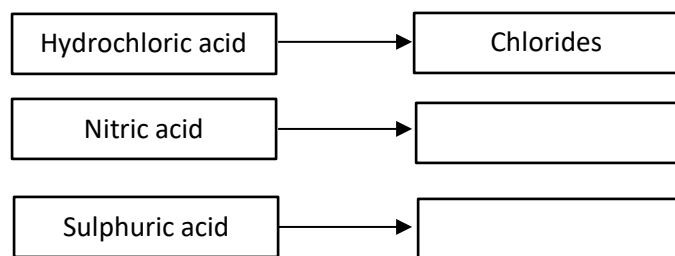
(2 marks)

Q6: Acids are also neutralised by metal carbonates. Another product is made, what is it?

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(1 mark)

Q7: The salt that is produced depends on the acid used. For example, hydrochloric acid produces chlorides. Which salts are produced for the following acids?



(2 marks)

Q8: Fill in the products for the equation below.



(2 marks)

Q9: Describe how soluble salts can be made.

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(3 marks)

Q10: How are solid salts produced from salt solutions?

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(2 marks)