

**AQA, OCR, Edexcel**

**GCSE Science**

# **GCSE Chemistry**

Materials  
Questions

**M M E**

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Total Marks: /30

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Q1: Give the four examples whereby life cycle assessments (LCAs) are carried out to assess the environmental impacts of certain products.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

(4 marks)

Q2: Describe some of the problems with LCAs.

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(2 marks)

***Ways of reducing the use of resources***

Q4: Metals, glass, building materials, clay ceramics and most plastics are produced from limited raw materials. Explain how metals and glass can be recycled.

Metals

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Glass

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(2 marks)

Q5: What is corrosion?

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(1 mark)

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Q6: Give an example of corrosion.

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(1 mark)

Q7: Give an example of how corrosion can be prevented.

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(2 marks)

Q8:

Bronze is a metal alloy used for many things including making medals. What is bronze made up of?

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(2 marks)



Q9:

Brass is also a metal alloy. What is it made up of?

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(2 marks)

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Q10: Gold alloy is used for jewellery along with which other metals?

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(3 marks)

Q11: The proportion of gold in the alloy is measured in carats. Match the carats with the percentage of gold.

24 carat → \_\_\_\_\_% gold

18 carat → \_\_\_\_\_% gold

(2 marks)

Q12: Complete the gaps in these sentences.

Steels are alloys of \_\_\_\_\_ that contain specific amounts of \_\_\_\_\_ and other metals.

High \_\_\_\_\_ steel is strong but \_\_\_\_\_. Low \_\_\_\_\_ steel is softer and more easily \_\_\_\_\_.

Steels containing \_\_\_\_\_ and \_\_\_\_\_ (stainless steels) are hard and resistant to \_\_\_\_\_.

(9 marks)