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# K Education Centre



## GCSE Chemistry C5 - AQA

Chemical Changes Assignment 1

Assignment Questions

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Year 2022

## C5: Chemical Changes - 1

Q1: What is the difference between oxidation and reduction.

Q2: Write down the ionic equation and half ionic equations for reaction between Zinc and Iron (II) Sulphate.

Q3: Give example of reduction of oxide by carbon.

Q4: Zinc oxide, ZnO, can be reduced to zinc by heating it in a furnace with Carbon. Carbon monoxide, CO gas is given in the reaction. Write a word equation and balanced symbol equation, including state symbols for this reaction.

Q5: Why can't copper sulphate be prepared after adding copper metal to dilute sulfuric acid?

Q6: Write down reaction between magnesium and dilute sulfuric acid.

- Write an ionic equation for reaction with state symbols.
- Construct two half equations for the above
- Explain why it is a redox reaction.