

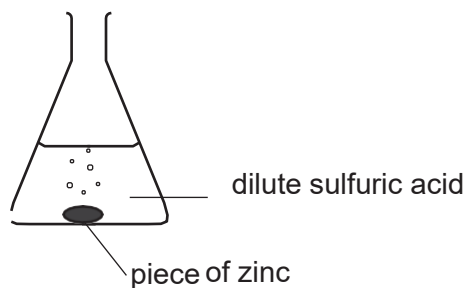
**GCSE Chemistry B (Twenty First Century Science)**  
**J258/01** Breadth in Chemistry (Foundation Tier)

**Question Set 22**

Multiple Choice Questions

1

Sundip reacts zinc with dilute sulfuric acid.



(a) Complete the symbol equation for the reaction.



[1]

(b) Sundip drops a **piece** of zinc into some dilute sulfuric acid.

The zinc fizzes.

What is the name of the gas given off?

[1]

(c) Sundip then drops some zinc **powder** into some dilute sulfuric acid.

Explain why the fizzing is faster with zinc powder.

[1]

(d) Sundip adds some blue copper sulfate solution and zinc to the acid.

Sundip **thinks** that the copper sulfate is a catalyst in the reaction.

If Sundip is right, which statements are correct?

Tick (✓) **two** boxes.

The fizzing stays the same.

The copper sulfate is left at the end.

The activation energy is lower with the catalyst present.

All the copper sulfate is used up.

[2]

**Total Marks for Question Set 22: 5**

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