

KS4 Sample Question Pack (GCSE)

A taster of GCSE 9–1 practice items.

Pack type	Sample question pack (taster)
Publisher	Questipedia Ltd — UK
Marking	Model answers provided in green underneath each question.
Full bank	The live platform contains thousands more questions per Key Stage.

GCSE Mathematics (Higher)

Q1. Solve the quadratic: $x^2 - 5x + 6 = 0$. [3 marks]

Answer: $x = 2$ or $x = 3$

Q2. Rationalise the denominator: $6/\sqrt{3}$. [2 marks]

Answer: $2\sqrt{3}$

GCSE English Language — Paper 1 style

Q3. Explain how the writer uses language to describe the storm (source: 100-word extract provided in full pack). Focus on verbs and imagery. [6 marks]

Answer: Model AO2 response: verbs 'lashed', 'clawed' personify the storm as violent; the simile 'like a beast unchained' reinforces its raw ferocity; short sentences quicken the pace.

GCSE Combined Science — Chemistry

Q4. Balance: $__ \text{H}_2 + __ \text{O}_2 \rightarrow __ \text{H}_2\text{O}$. [2 marks]

Answer: $2 \text{H}_2 + \text{O}_2 \rightarrow 2 \text{H}_2\text{O}$

Q5. State one factor that increases the rate of reaction. [1 mark]

Answer: Higher temperature / higher concentration / larger surface area / a catalyst.

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