

# Free Sample PDF

This sample uses exact extracted content from the included chemistry file.

**Source files:** 2022 Chemistry in English.docx

This free sample contains exact extracted snippets from the source files listed above. Some formulas or page graphics may appear simplified in text form, but the wording comes from the actual files.

## Exact excerpt: formula writing and naming

1	(20 marks, 2.5 marks each)
2	Write formulae for the following substances:
3	Sulfur dioxide, Nitrogen, Nitric acid, Potassium hydroxide.
4	Write acceptable names for the following compounds:
5	Ca(OH) <sub>2</sub> , Ca(HCO <sub>3</sub> ) <sub>2</sub> , H <sub>2</sub> CO <sub>3</sub> , CuSO <sub>4</sub> .

## Exact excerpt: balancing reactions

1	Please balance the following reaction.
2	(1) $\text{NH}_3 + \text{O}_2 \rightarrow \text{NO} + \text{H}_2\text{O}$
3	(2) $\text{Na} + \text{H}_2\text{O} \rightarrow \text{NaOH} + \text{H}_2$

## Exact excerpt: concept and calculation

1	Explain what are mixture and compound, and give an example for each of them.
2	What are oxidation-reduction reaction? Give an example.
3	Calculate the percent composition of the oxygen elements in NaHCO <sub>3</sub> .

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