

## Carbonates – 2022 IGCSE

1. **June/2022/Paper\_11/No.34**

What are the products when limestone (calcium carbonate) is heated strongly?

- A calcium hydroxide and carbon dioxide
- B calcium hydroxide and carbon monoxide
- C calcium oxide and carbon dioxide
- D calcium oxide and carbon monoxide

2. **June/2022/Paper\_12/No.11**

Which type of reaction occurs when calcium carbonate is heated at a high temperature to produce calcium oxide and carbon dioxide?

- A combustion
- B endothermic
- C oxidation
- D reduction

3. **June/2022/Paper\_12/No.34**

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4. **June/2022/Paper\_13/No.30**

Which statement about carbon monoxide is correct?

- A It damages stone buildings.
- B It is a pollutant which causes acid rain.
- C It is produced during the decomposition of vegetation.
- D It is formed during the incomplete combustion of natural gas.

5. June/2022/Paper\_13/No.33

Which products use calcium carbonate in their manufacture?

- 1 aluminium
- 2 cement
- 3 iron
- 4 sulfuric acid

A 1 and 3      B 1 and 4      C 2 and 3      D 2 and 4

6. June/2022/Paper\_13/No.34

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7. June/2022/Paper\_21/No.34

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8. June/2022/Paper\_22/No.34

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10. March/2022/Paper\_12/No.34

Which statements about lime are correct?

- 1 Lime is made by heating calcium carbonate (limestone).
- 2 Lime is used to desulfurise flue gases.
- 3 Lime is used to treat alkaline soil.
- 4 The chemical name for lime is calcium oxide.

- A 1 and 3      B 1, 2 and 4      C 1 and 4 only      D 2, 3 and 4

11. March/2022/Paper\_22/No.34

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- 2 Lime is used to desulfurise flue gases.
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- A 1 and 3      B 1, 2 and 4      C 1 and 4 only      D 2, 3 and 4