

Q1.

Which statement is correct?

- A** Calcium oxide is used to remove sulfur dioxide from flue gases.
- B** Calcium has a larger atomic radius than barium.
- C** Magnesium has a lower electronegativity than barium.
- D** Magnesium is used to oxidise titanium(IV) chloride in the extraction of titanium.

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(Total 1 mark)

Q2.

Barium metal is added to a large excess of water.

Which observation is correct **and** complete?

- A** a colourless solution
- B** a colourless solution with effervescence
- C** a dense white precipitate
- D** a dense white precipitate with effervescence

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(Total 1 mark)

Q3.

Which statement is correct?

- A** Magnesium reacts with steam to give magnesium oxide as one of the products.
- B** Magnesium acts as an oxidising agent in the extraction of titanium.
- C** Magnesium has a lower melting point than sodium.
- D** Magnesium hydroxide is very soluble in water.

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(Total 1 mark)