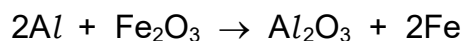


26 What is the correct order of reactivity of the following metals, from least reactive to most reactive?

- A** calcium → magnesium → zinc → copper
- B** copper → zinc → magnesium → calcium
- C** copper → zinc → calcium → magnesium
- D** zinc → copper → magnesium → calcium

27 The equation for the reaction between aluminium and iron(III) oxide is shown.



Which statement about this reaction is correct?

- A** The aluminium acts as an oxidising agent.
- B** It shows that iron is more reactive than aluminium.
- C** The oxidation number of the aluminium decreases during the reaction.
- D** It shows that aluminium has a greater tendency to form ions than iron.

29 Separate pieces of aluminium foil and copper foil are heated in air.

The copper foil reacts to give a black solid.

The aluminium foil does **not** react.

Which statement explains these observations?

- A** Aluminium has an unreactive layer, but copper does **not**.
- B** Aluminium is below copper in the reactivity series.
- C** Copper reacts with moisture in the air, but aluminium does **not**.
- D** Copper reacts with nitrogen in the air, but aluminium does **not**.