



1 Write word equations for these reactions of calcium.

a calcium + oxygen →

b calcium + nitric acid →

c calcium + water →

2 Copper will displace silver from a solution of silver nitrate: $\text{Cu} + 2\text{AgNO}_3 \rightarrow \text{Cu}(\text{NO}_3)_2 + 2\text{Ag}$

a Explain why copper is more reactive than silver.

.....

.....

b Write an ionic equation for this reaction

c Write two half equations for this reaction.

.....

.....

d Explain why this is a redox reaction.

.....

.....

3 Write balanced equations for the reactions in question 1.

a

b

c