

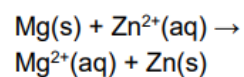
(Displacement reactions)

Q1. (2018)

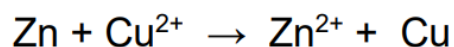
all 4 metals labelled and suitable
scale on y-axis

all bars correctly plotted

Q2. (2020)



Q3. a). (2022)



Q3. b). (2022)

zinc (atoms) lose (2) electrons

Q4. a). (2023)

A loses electrons and **B**⁺ gains
electrons

Q4. b). (2023)

D

Q4. c). (2023)

(metal) **C**

(explanation) aluminium forms
ions with a charge 3+

(so) 3 nitrate ions are needed
for 1 aluminium ion