

27 GROUP 2

Learning outcomes

Candidates should be able to:

1. describe and explain qualitatively the trend in the thermal stability of the nitrates and carbonates including the effect of ionic radius on the polarisation of the large anion
2. Describe and explain qualitatively the variation in solubility and the enthalpy change of solution, ΔH_{sol} , of the hydroxides and sulfates of group 2 metals in terms of the relative magnitudes of the enthalpy change of hydration and the lattice energy

This chapter has already been covered in different previous chapters, especially 23.2 and 23.4.

1. Describe what is observed when magnesium and barium are reacted separately with an excess of dilute sulfuric acid.
magnesium
barium[1]

*****This is not a complete note. It is just to guide you. It is recommended to study the prescribed textbooks along with this material. *****