

27 Solubility energetics – Part 2 —Answers

Answers

Work through these after trying the questions yourself.

27.6 Breaking the lattice and hydrating the ions.

27.7 Breaking the lattice.

27.8 Hydrating the ions.

27.9 More soluble.

27.10 Less soluble.

27.11 The overall enthalpy of solution is exothermic when the energy *released* by hydrating the ions is greater than the energy *needed* to break the lattice. The hydration step then more than pays back the lattice-breaking step, so energy is given out overall.