

7Ec Evaporation student book

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Q1) a. the water evaporates

b. The salt does not evaporate, so it is left behind when the water evaporates.

Q2) Faster in the warm ponds, because the rate of evaporation increases as the temperature increases.

Q4) At 100 °C all the liquid water is trying to evaporate at the same time, causing many bubbles of water vapour in the liquid. Below boiling point, evaporation happens only at the surface of the liquid.

Q5) At 80 °C all the ethanol will turn to vapour and leave the liquid. Some of the water will be evaporating at this temperature too, but it will not be boiling because 80 °C is below its boiling point.

Q6) Measure the liquid's boiling point. If it is 100 °C, it is pure water.