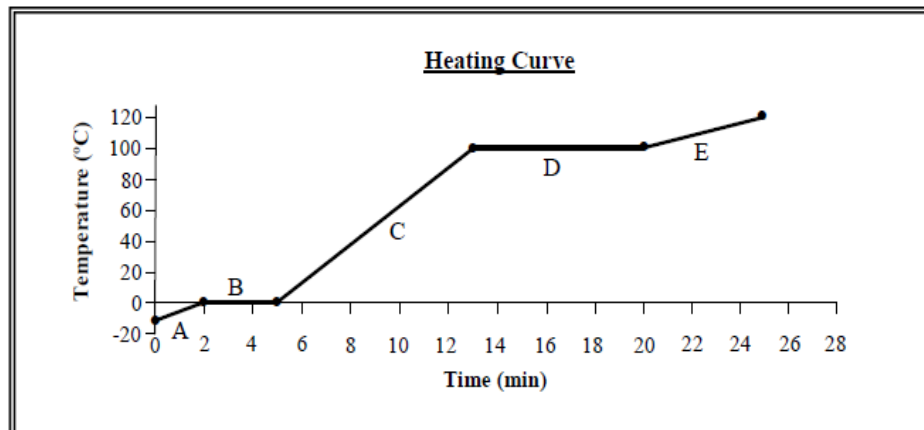


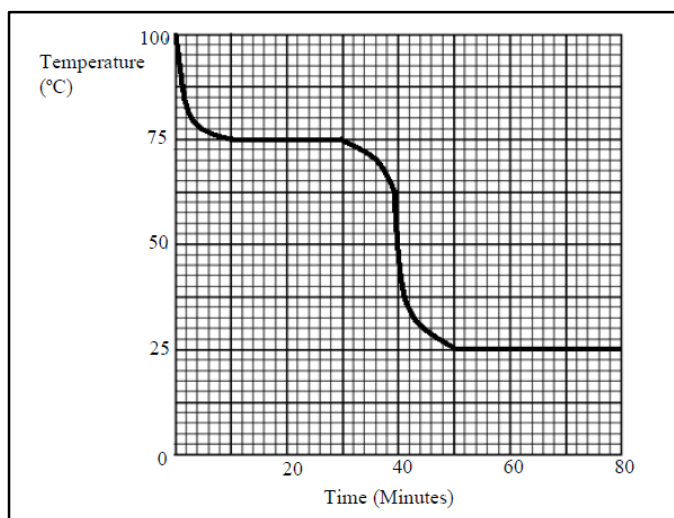
**MINISTRY OF EDUCATION, HERITAGE AND ARTS**  
**YEAR 11 CHEMISTRY**  
**REVISION WORKSHEET 3**

Write the answers to the following questions in your exercise/activity books.

1. Study the heating curve of water given below and answer the questions that follow.



- i. State the period of time in which water is completely in liquid form. **(1 mark)**
  - ii. Explain why the temperature is constant at the region labelled D. **(2 marks)**
  - iii. Label the parts of the sketch which represents the enthalpy of fusion and enthalpy of vapourisation of water. **(2 marks)**
2. The graph below shows the cooling curve of naphthalene. Study the curve and answer the questions that follow.



- i. Describe what happens to the **temperature** during the time interval of 10-30 minutes. **(1 mark)**
- ii. Describe what happens to the **naphthalene** during the time interval of 10-30 minutes. **(2 marks)**
- iii. State whether heat is taken in or given out to the surrounding as naphthalene cools. **(1 mark)**

**The End**