

**Q1.**

**Answer the question with a cross in the box you think is correct (☒). If you change your mind about an answer, put a line through the box (☒) and then mark your new answer with a cross (☒).**

Which of these changes of state describes sublimation?

(1)

- A** from gas to liquid
- B** from liquid to solid
- C** from solid to gas
- D** from solid to liquid

**(Total for question = 1 mark)**

**Q2.**

**Answer the question with a cross in the box you think is correct ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.**

Solid, liquid and gas are states of matter.

Which process describes the change from a solid to a liquid?

(1)

- A** melting
- B** freezing
- C** evaporation
- D** condensation

**(Total for question = 1 mark)**

**Q3.**

**Answer the question with a cross in the box you think is correct ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.**

Which of these means changing state from solid directly to gas?

(1)

- A** condensing
- B** freezing
- C** melting
- D** sublimating

**(Total for question = 1 mark)**

**Q4.**

Describe what happens when a substance experiences sublimation.

(2)

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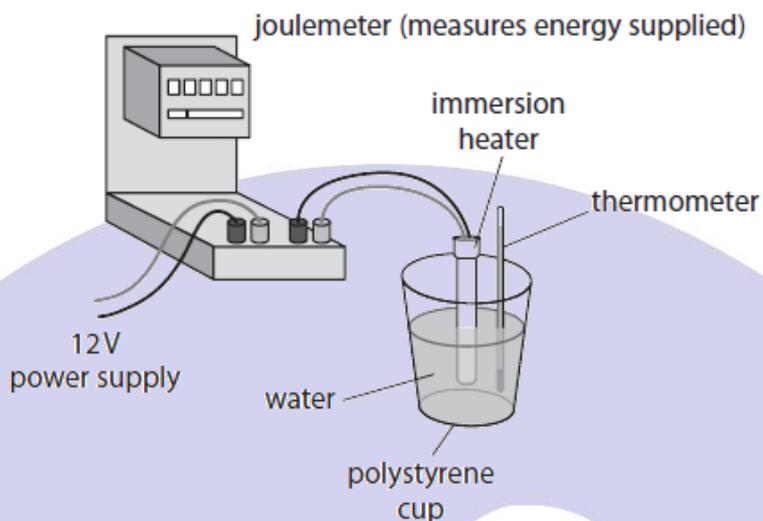
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**(Total for question = 2 marks)**



**Q5.**

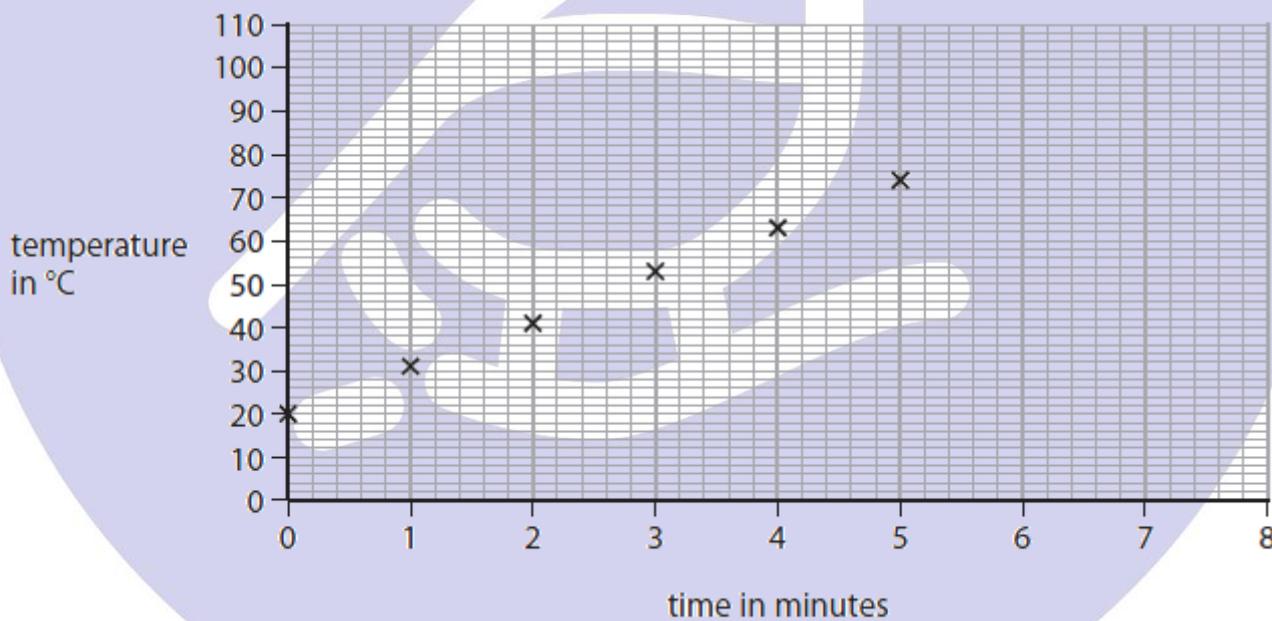
A student uses the apparatus in Figure 3 to determine the specific heat capacity of water.



**Figure 3**

The student decides to measure the temperature of the water every minute while it is being heated.

Figure 4 shows a graph of the student's results.



**Figure 4**

Predict the temperature of the water if the heating continues up to 8 minutes.

(1)

temperature of the water = ..... °C

**(Total for question = 1 mark)**