

- 2 (a) Describe the arrangement and motion of particles in a solid.

You may draw a diagram to help your answer.

(3)

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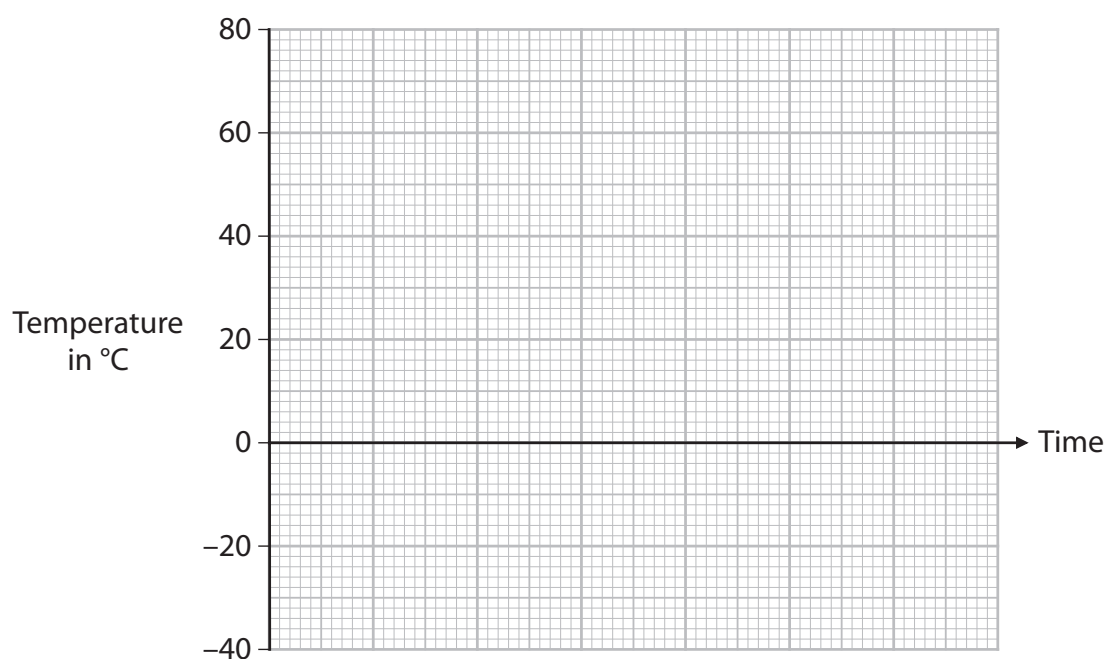
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- (b) A solid changes state by melting at a certain temperature.

For phosphorus, this change of state occurs at 44°C .

Sketch how the temperature of a sample of phosphorus changes when it is heated at a constant rate from -40°C to 80°C .

(3)



(Total for Question 2 = 6 marks)

