Practice Question Set For GCSE

Subject: Physics





	of the Student: arks : 14 Marks	Time : 14 Minutes
Q1.		
Ar	athlete runs in a marathon race. As he runs, his body gets hotter.	
Hi	s body produces sweat to help him cool down.	
(a	Explain in terms of particles, how sweating helps the athlete to cool down.	
		
		
		

(b) At the end of the race, the athlete is covered with a 'space blanket' made from shiny foil to prevent him from cooling too quickly.

(4)

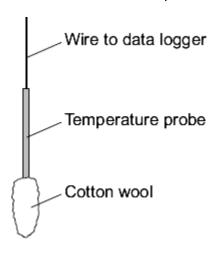


He wraps the space blanket around his body to reduce energy transfer to the surroundings.

(Total 7 marks)

Q2.

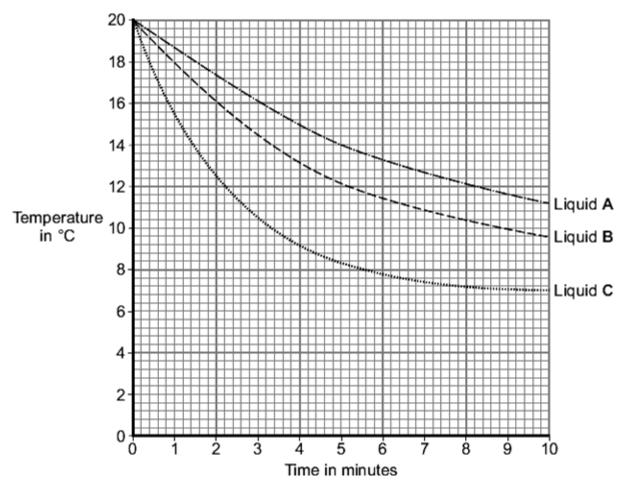
A student investigated the evaporation of three different liquids using the apparatus shown.



Identical pieces of cotton wool were soaked in one of three liquids, **A**, **B** or **C**, that have different boiling points. The same volume of liquid, at the same starting temperature, was used each time.

The temperature of the cotton wool was measured during a ten minute period.

Graph 1



(a)	Which	liquid	has	the	lowest	boiling	point?

Liquid		
Explanation	 	

(b) Room temperature is 20 °C.

Explain your choice.

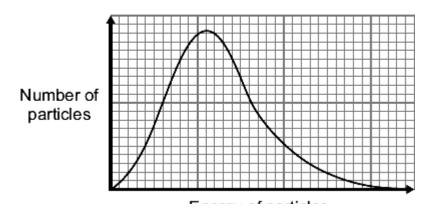
The line for liquid ${\bf C}$ reached a lower limit of 7 °C.

Explain why the temperature did **not** fall below 7 °C.

(c) **Graph 2** shows the distribution of energy among particles in a liquid.

(2)

(1)



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(4)

(Total 7 marks)