Practice Question Set For GCSE

Subject: Physics



Paper-1 Topic: GCSE Triple Science_Particle Model Of Matter (High Demand Questions)

Name of the Student:		
Hanne of the otacent.		

Max. Marks: 26 Marks Time: 26 Minutes

Mark Schemes

Q1.

(a) balance / scales

1

(b)
$$\frac{\text{density}}{\text{density}} = \frac{\text{mass}}{\text{volume}}$$

or

$$\rho = \frac{m}{V}$$

1

(c)
$$0.68 = \frac{85}{V}$$

1

$$V = \frac{85}{0.68}$$

1

$$V = 125 \text{ (cm}^3\text{)}$$

1

1

(d) repeat readings (of volume) need taking (of each fruit) to show that the readings are close together

allow 'the same' for 'close together'

[6]

Q2.

(a) 0(.0) to 12(.0)

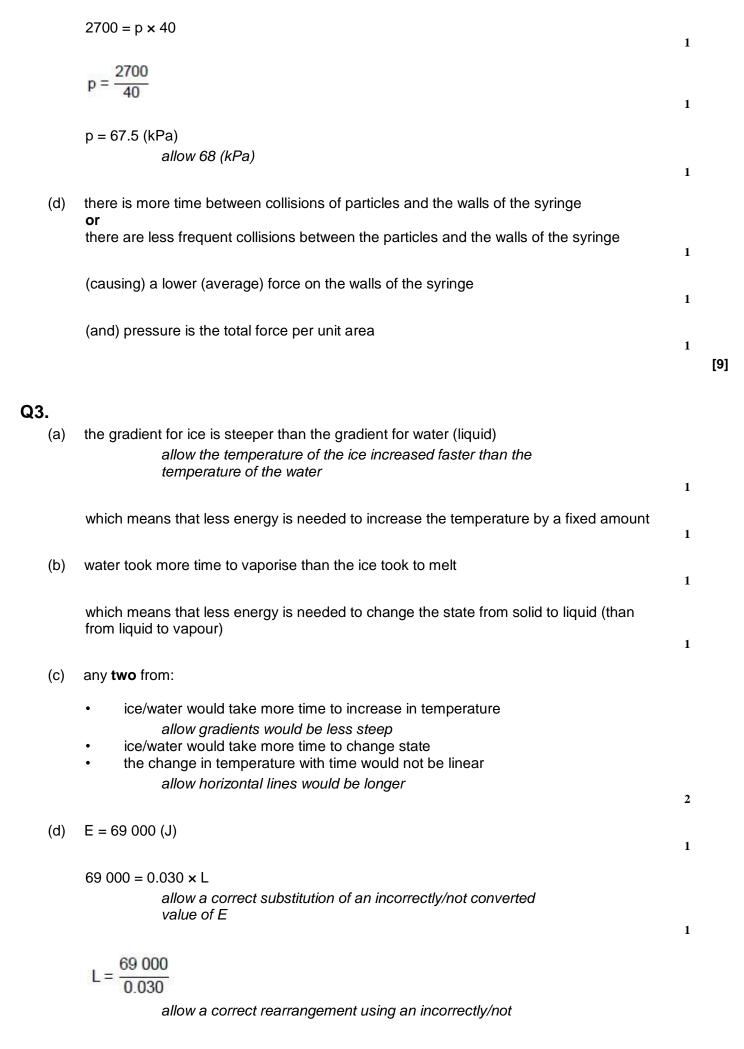
1

(b) mass of gas (in the syringe)
or
temperature (of the gas)

1

(c) constant = 60×45 or constant = 2700

1



L = 2 300 000

or

 $L = 2.3 \times 10^6$

allow a correct calculation using an incorrectly/not converted value of E

1

J/kg

allow a unit consistent with their numerical answer eg 2300 kJ/kg

[11]