Practice Question Set For GCSE
Subject : Physics
Paper-1 Topic: Particle Model Of Matter (Low Demand)

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Name of the Student:_____
Max. Marks : 18 Marks **Time : 18 Minutes**

Mark Schemes

Q1.

(a) condensation

1

(b) larger (exposed) surface area

1

(so) water can evaporate faster
or
(so) more water (molecules) can escape
allow more water can evaporate

1

[3]

Q2.

(a) balls are far apart from each other

1

balls move randomly

1

(b) solid

1

gas

1

[4]

Q3.

(a) 400(kWh)
*65850 – 65450 gains **1** mark provided no subsequent step shown*

2

(b) (i) reflectors

1

(ii) insulator

1

(c) 100 000(J)
*correct substitution i.e.50 × 1000 × 2 gains **1** mark provided no subsequent step shown*

2

[6]

Q4.

(a) water

allow H_2O / OH_2

1

(b) water (filled heater)

allow 3kW

1

highest power (output) / most powerful / highest number of watts

only scores if first marking point correct

allow highest energy / heat output

allow has more power

ignore stores most energy /references to heat

1

(c) $E = m \times c \times \theta$

27 000

*allow **1** mark for correct substitution into correct equation:*

$2 \times 900 \times 15$

or

$2000 \times 900 \times 15$

or

27 000 000

2

[5]