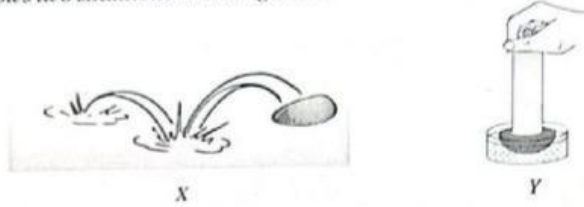


Bahagian C / Section C

5.1 Sifat Fizik Air / Physical Characteristics of Water

- 7 (a) Rajah 3.1 menunjukkan dua situasi yang melibatkan air. (BT ms. 96 - 105)

Diagram 3.1 shows two situations involving water.



Rajah 3.1 / Diagram 3.1

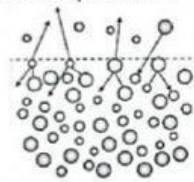
- (i) Nyatakan daya yang terlibat dalam situasi X dan Y. (TP1)
State the forces involved in situations X and Y.

_____ and _____ force. [2 markah/marks]

- (ii) Namakan fenomena yang berlaku di Y. Jelaskan. (TP2)
Name the phenomenon that occurs in Y. Explain.

The _____ between water molecules and the _____
between the water molecules and the chromatography paper allows water to
rise upwards [3 markah/marks]

- (b) Rajah 3.2 menunjukkan proses penyejatan air.
Diagram 3.2 shows the process of water evaporation.



Rajah 3.2 / Diagram 3.2

- (i) Terangkan proses dalam Rajah 3.2 dengan menggunakan Teori Kinetik Jirim. (TP3)
Explain the process in Diagram 3.2 using the Kinetic Theory of Matter.

Water molecules on the surface have _____ kinetic energy
The water molecules moves _____ and escape into the air. [2 markah/marks]

- (ii) Atikah menjemur dua helai baju di dua tempat yang berbeza. Dia mendapati baju yang dijemur di bawah kipas lebih cepat kering berbanding dengan baju yang dijemur di dalam bilik. (TP3)
Atikah hung two pieces of clothes at two different places. She noticed that the clothing hung under the fan dried faster than the clothing hung in the room.

Nyatakan **satu** faktor yang mempengaruhi kadar penyejatan bagi situasi di atas. Terangkan.
State **one** factor that influences the rate of evaporation in the above situation. Explain.

Air _____ factor. The movement of air carries water _____ in the air
to the other place. The wind causes the air on the _____ of the water to dry
out and water to _____. [3 markah/marks]

evaporate

movement

surface

vapour