

LATIHAN BAB 5 (JIRIM)

JAWAB SEMUA SOALAN

5.1 Jirim dalam Alam

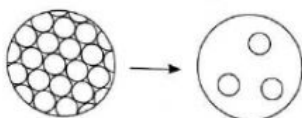
- 1 Tandakan (✓) pada petak dengan definisi jirim yang betul.
Tick (✓) in the box with correct definition of matter.

(a) Jirim ialah objek yang mempunyai jisim. <i>Matter is an object that has mass.</i>	
(b) Jirim ialah sebarang benda yang mempunyai jisim dan memenuhi ruang. <i>Matter is anything that has mass and occupies space.</i>	
(c) Jirim ialah sebarang benda yang mempunyai jisim dan isi padu serta boleh dimampatkan. <i>Matter is anything that has mass and volume and can be compressed.</i>	

5.2 Tiga Keadaan Jirim

- 1 Rajah di bawah menunjukkan perubahan keadaan jirim.

The diagram below shows the change in the state of matter.



Apakah proses yang berlaku?
What is the process that occur?

- | | |
|--------------------------------------|------------------------------------|
| A Pemejalwapan
<i>Sublimation</i> | C Peleburan
<i>Melting</i> |
| B Kondensasi
<i>Condensation</i> | D Penyejatan
<i>Evaporation</i> |

- 2 Rajah berikut menunjukkan satu aktiviti yang dilakukan oleh Ana semasa memasak kek coklat.
The following diagram shows an activity carried out by Ana when making a chocolate cake.



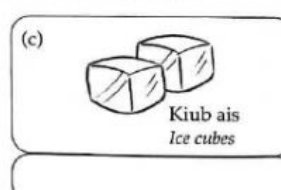
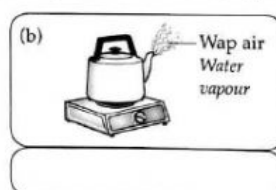
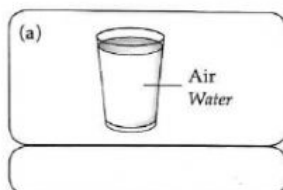
Antara yang berikut, yang manakah betul tentang perubahan jirim bagi coklat itu?

Which of the following is correct about the change in the state of matter of the chocolate?

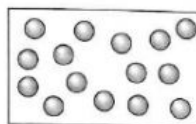
- A Pepejal → gas / Solid → gas
B Pepejal → cecair / Solid → liquid
C Cecair → gas / Liquid → gas
D Cecair → pepejal / Liquid → solid

- 3 Rajah di bawah menunjukkan tiga keadaan jirim bagi air. Tuliskan 'Pepejal', 'Cecair' atau 'Gas' di dalam petak yang disediakan.

The diagram below shows the three states of matter for water. Write 'Solid', 'Liquid' or 'Gas' in the boxes provided.



- 4 Rajah di bawah menunjukkan susunan zarah-zarah.
The diagram below shows the arrangement of particles.



- (a) Tandakan (✓) pada keadaan jirim berdasarkan susunan zarah-zarah tersebut.
Tick (✓) the state of matter based on the arrangement of the particles.

Pepejal / Solid

Cecair / Liquid

Gas / Gas

- (b) Antara bahan-bahan berikut, yang manakah mempunyai susunan zarah-zarah seperti dalam rajah? Bulatkan jawapan yang betul.

Which of the following substances has the arrangement of particles as in the diagram? Circle the correct answer.

Bata
Brick

Merkuri
Mercury

Oksigen
Oxygen

- (c) Tandakan (✓) pada ciri-ciri keadaan jirim bagi jawapan di (a).
Tick (✓) the characteristics of the state of matter for the answers in (a).