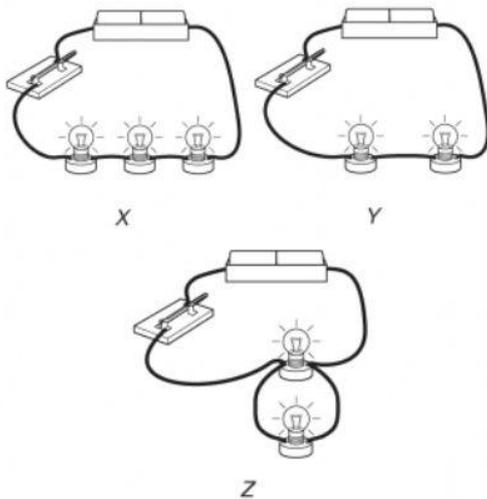


- 17 Rajah 7 menunjukkan tiga litar elektrik, X, Y dan Z.  
Diagram 7 shows three electrical circuits, X, Y and Z.

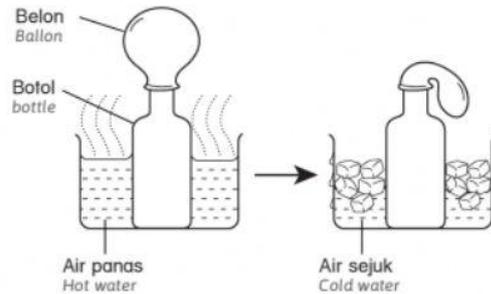


Rajah 7/Diagram 7

Antara yang berikut, yang manakah mewakili kecerahan mentol bagi ketiga-tiga litar di atas?  
Which of the following represents the brightness of bulbs for the three circuits above?

- A** Kecerahan mentol  
Brightness of bulbs
- 
- | Jenis litar / Type of circuit | Kecerahan mentol / Brightness of bulbs |
|-------------------------------|--|
| X                             | 9                                      |
| Y                             | 7                                      |
| Z                             | 5                                      |
- B** Kecerahan mentol  
Brightness of bulbs
- 
- | Jenis litar / Type of circuit | Kecerahan mentol / Brightness of bulbs |
|-------------------------------|--|
| X                             | 5                                      |
| Y                             | 7                                      |
| Z                             | 9                                      |
- C** Kecerahan mentol  
Brightness of bulbs
- 
- | Jenis litar / Type of circuit | Kecerahan mentol / Brightness of bulbs |
|-------------------------------|--|
| X                             | 7                                      |
| Y                             | 9                                      |
| Z                             | 5                                      |
- D** Kecerahan mentol  
Brightness of bulbs
- 
- | Jenis litar / Type of circuit | Kecerahan mentol / Brightness of bulbs |
|-------------------------------|--|
| X                             | 9                                      |
| Y                             | 6                                      |
| Z                             | 4                                      |

- 18 Rajah 8 menunjukkan susunan alat bagi suatu penyiasatan.  
Diagram 8 shows the arrangement of apparatus of an investigation.



Rajah 8/Diagram 8

Antara yang berikut, yang manakah menerangkan mengenai pemerhatian penyiasatan di atas? **KBAT** Menganalisis  
Which of the following explains the observation of the above investigation?

- A** Udara mengembang apabila menerima haba dan mengecut apabila kehilangan haba  
Air expands when receives heat and contracts when loses heat
- B** Ais menyebabkan udara dalam botol kehilangan haba dan mengembang  
Ice causes the air in the bottle to lose heat and expand
- C** Botol mengembang dan menyebabkan belon turut mengembang  
Bottle expands and causes the balloon to expand
- D** Suhu botol meningkat dan jisim gas bertambah  
The temperature of the bottle increases and the mass of the gas increases
- 19 Dhuha mendapati pagar besi rumahnya berkarat setelah digunakan selama 5 tahun.  
Apakah ciri pagar besi yang diperhatikannya?  
Dhuha finds that the iron gate at her house is rusty after being used for 5 years.  
What is the characteristic of the iron gate that she observed?
- A** Pagar besi menjadi perang kemerah-merahan  
The iron gate becomes reddish brown
- B** Permukaan pagar besi menjadi lebih licin  
The surface of the iron gate becomes smoother
- C** Pagar besi menjadi lebih kukuh  
The iron gate becomes stronger
- D** Warna pagar kekal sama  
The colour of the iron gate remains the same