

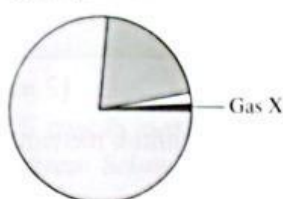
BAHAGIAN A

Arahan: Jawab semua soalan.

Instruction: Answer all questions.

- 1 Rajah di bawah menunjukkan komposisi udara dalam atmosfera.

The diagram below shows a composition of air in the atmosphere.



Antara yang berikut, yang manakah menunjukkan kepentingan gas X?

Which of the following shows the importance of gas X?

- | | |
|-----------------------------------|---|
| A Pembakaran
<i>Combustion</i> | B Fotosintesis
<i>Photosynthesis</i> |
| C Respirasi
<i>Respiration</i> | D Kitar nitrogen
<i>Nitrogen cycle</i> |
- 2 Mengapakah udara adalah campuran dan bukan sebatian?
Why is air a mixture and not a compound?
- A Komponen udara terikat secara kimia antara satu sama lain
The components of air are chemically bonded to one another
- B Komponen udara boleh diasingkan dengan mudah
The components of air can be easily separated
- C Suhu udara berubah-ubah setiap masa
The temperature of air varies from time to time
- D Komponen udara bergantung pada suhu sekeliling
The components of air depend on the temperature of the surroundings

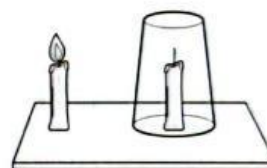
- 3 Berapakah purata peratusan oksigen dalam udara?

What is the average percentage of oxygen in the air?

- | | |
|---------|---------|
| A 0.03% | B 0.97% |
| C 21% | D 78% |

- 4 Rajah di bawah menunjukkan satu aktiviti untuk menentukan syarat pembakaran.

The diagram below shows an activity to determine a condition of combustion.



Antara yang berikut, yang manakah syarat pembakaran yang diuji dalam aktiviti ini?

Which of the following is the condition of combustion tested in this activity?

- | | |
|----------------------------|----------------------------|
| A Haba
<i>Heat</i> | B Cahaya
<i>Light</i> |
| C Oksigen
<i>Oxygen</i> | D Bahan api
<i>Fuel</i> |

- 5 Peti sejuk membebaskan bahan pencemar Y. Apakah kesan bahan pencemar Y?

Refrigerators release pollutant Y. What is the effect of pollutant Y?

- | |
|--|
| A Jerebu
<i>Haze</i> |
| B Hujan asid
<i>Acid rain</i> |
| C Kesan rumah hijau
<i>Greenhouse effect</i> |
| D Penipisan lapisan ozon
<i>Thinning of the ozone layer</i> |