



Praktis Pengukuhan

Bab 5

1. Isi tempat kosong dengan jawapan yang betul.

Fill in the blanks with the correct answers.

(a) _____ ialah bidang sains yang mengkaji perubahan tenaga haba dalam satu tindak balas kimia.
_____ is the field of science that study the changes of heat energy in a chemical reaction.

(b) Tindak balas kimia yang membebaskan haba ke persekitaran ialah tindak balas _____.
The chemical reaction that releases heat to the surrounding is an _____ reaction.

(c) Tindak balas kimia yang menyerap haba dari persekitaran ialah tindak balas _____.
The chemical reaction that absorbs heat from the surrounding is an _____ reaction.

2. Rajah menunjukkan susunan radas yang disediakan untuk mengenal pasti suatu tindak balas kimia. Apabila bahan *P* dicampurkan ke dalam air dan campuran dikacau, suhu campuran menurun. Apakah tindak balas kimia yang berlaku?
The diagram shows the set up of apparatus prepared to identify a chemical reaction. When substance P is mixed with water and the mixture is stirred, the temperature of the mixture decreases. What is the chemical reaction that happens?

3. Padankan proses-proses berikut kepada jenis tindak balas kimia yang betul.

Match the following processes to their correct type of chemical reaction.

Proses
Process

(a) Pembentukan salji
Formation of snow

(b) Pendidihan air
Boiling of water

(c) Fotosintesis
Photosynthesis

(d) Respirasi
Respiration

(e) Penyejatan air
Evaporation of water

Jenis tindak balas
Type of reaction

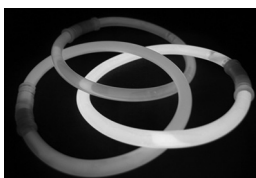
Eksotermik
Exothermic

Endotermik
Endothermic

4. Tandakan (✓) pada alat yang mengaplikasikan konsep tindak balas termokimia.

Mark (✓) on the tools that apply the concept of thermochemistry reactions.

(a)

☐

(b)

☐

(c)

☐