

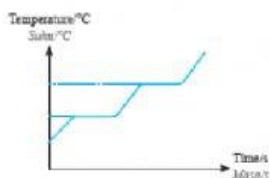
What is heating curve?

Apakah lengkung pemanasan?

Sketch the heating curve of a substance with the melting point $P^{\circ}\text{C}$ and the boiling point $Q^{\circ}\text{C}$ from solid to gas. Label the part on the graph where melting point and boiling point take place.

Lukiskan lengkung pemanasan suatu bahan dengan titik lebur $P^{\circ}\text{C}$ dan titik didih $Q^{\circ}\text{C}$ dari pepejal kepada gas. Labelkan bahagian pada graf di mana titik lebur dan titik didih berlaku.

It is a plot of the temperature against time to show how temperature changes as a substance is heated up. Satu plot suhu melawan masa untuk menunjukkan bagaimana suhu berubah apabila suatu bahan dipanaskan.



Study the heating curve of a substance.

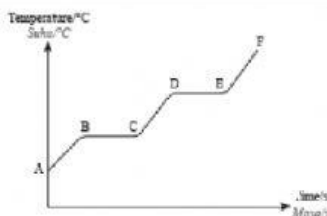
Kaji lengkung pemanasan suatu bahan.

(a) State the physical state of the substance at the following region:

Nyatakan keadaan fizikal bahan pada kawasan berikut. AB, BC, CD, DE, EF

(b) Explain the changes in physical state and temperature of the substance.

Terangkan perubahan keadaan fizikal dan suhu bahan.



AB	
BC	
CD	
DE	
EF	

AB

1 Heat energy is _____ by the particles in the _____ naphthalene.

2 The heat energy _____ causes _____ energy of the particles to _____ and the particles vibrate _____.

3 The temperature _____.

Interpretation of cooling curve *Tafsiran graf penyejukan*

What is cooling curve?

Apakah lengkung penyejukan?

It is a plot of the temperature against time to show how temperature change as a substance is cooled.

Satu plot suhu melawan masa untuk menunjukkan bagaimana suhu berubah apabila suatu bahan disejukkan.

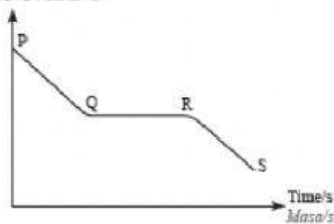
Study the cooling curve of a substance.

Kaji lengkung penyejukan suatu bahan.

(a) State the physical state of the substance at the following region:

Nyatakan keadaan fizikal bahan pada kawasan berikut: PQ, QR, RS

Temperature/°C / Suhu/°C



PQ	
QR	
RS	