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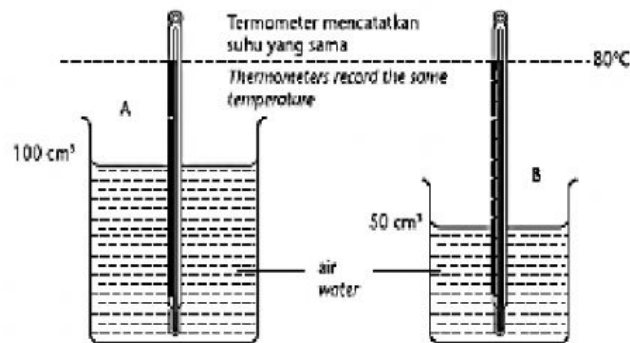
AKTIVITI PERBINCANGAN

Haba dan suhu Heat and temperature

(bSKP)
Konstruktivisme

Jawab soalan-soalan tentang haba dan suhu.
Answer the questions about heat and temperature.

- 1 Aktiviti di bawah menunjukkan haba dalam isi padu air yang berbeza dan mempunyai suhu yang sama./The activity below shows the heat in different volume of water that have the same temperature.



- (a) Pilih jawapan yang betul tentang perbezaan antara suhu dengan haba.
Choose the correct answers about the differences between temperature and heat. **IP2**

The quantity of heat in the water in container A is (lower, higher). This is because the volume of water in container A is (small, larger). A longer time is needed to heat the (smaller, larger) volume of water in container A.

- (b) Daripada aktiviti di atas, apakah yang dimaksudkan dengan haba dan suhu?
From the above activity, what do heat and temperature mean? **IP2**

- (i) Heat is the total _____ of energy in a substance. Heat is a form of _____ which is measured in _____.
- (ii) Temperature is the degree of _____ or _____ of an object which is measured in kelvin or degrees Celsius (°C).

- 2 (a) Tandakan (✓) faktor-faktor yang mempengaruhi kandungan haba suatu bahan.
Tick (✓) the factors that affect the heat content of a substance. **IP1**

☐ Jenis bahan Type of substance	☐ Ketumpatan Density	☐ Kuantiti bahan Quantity of substance	☐ Suhu Temperature
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- (b) Nyatakan hubungan antara faktor yang berikut dengan kandungan haba suatu bahan.
State the relationship between the following factors and the heat content of a substance. **IP2**

- (i) The _____ the temperature of a substance is, the _____ is the heat content of the substance.
- (ii) The _____ the quantity or mass of a substance is, the _____ is the heat content of the substance.