PETA KONSEP
CONCEPT MAP

HABA
HEAT

Keseimbangan Terma
Thermal Equilibrium

- Keseimbangan terma dalam kehidupan seharian
  Thermal equilibrium in daily life
  - Objek dipanaskan
    Heating object
  - Objek disejukkan
    Cooling object
- Penentukuran termometer cecair dalam kaca mengunakan dua takat
  Calibrate a liquid-in-glass thermometer using two fixed point
  - Takat lebur
    Melting point
    0°C
  - Takat didih
    Boiling point
    100°C

Muatan Haba Tentu
Specific Heat Capacity

- $c = \frac{Q}{m\Delta\theta}$
- Aplikasi dalam kehidupan seharian, kejuruteraan bahan dan fenomena semula jadi
  Applications of daily life, material engineering and natural phenomenon

Haba Pendam Tentu
Specific Latent Heat

- Haba Pendam Tentu Pengewapan
  Specific Latent Heat of Vaporisation
- Haba Pendam Tentu Pelakuran
  Specific Latent Heat of Fusion
- $Q = ml$
  - Aplikasi dalam sistem penyejukan peti ais, penyejatan peluh dan mengukus makanan
    Application in cooling system in a refrigerator, evaporation of sweat and steaming food
  - $Pt = ml$

Hukum Gas
Gas Laws

- Hubungan antara tekanan dan isi padu gas
  Relationship between pressure and volume of gas
  - Hukum Boyle
    Boyle's law
  - $P_1V_1 = P_2V_2$
- Hubungan antara isi padu dan suhu gas
  Relationship between volume and temperature of gas
  - Hukum Charles
    Charles' law
  - $\frac{V_1}{T_1} = \frac{V_2}{T_2}$
- Hubungan antara tekanan dengan suhu gas
  Relationship between pressure and temperature of gas
  - Hukum Gay Lussac
    Gay-Lussac's law
  - $\frac{P_1}{T_1} = \frac{P_2}{T_2}$

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