

BAHAGIAN A

- 6 (b) nyatakan jenis tindak balas dari segi perubahan tenaga.
*state the type of reaction in terms of **energy** change.*

.....
[1 markah/ mark]

- (c) (i) kenal pasti **gas** X dan Y.
*Identify **gas** X and Y.*

BAHAGIAN B

- 10 (b) Jadual 4 menunjukkan sebahagian daripada siri keupayaan elektrod piawai.
Table 4 shows part of the standard electrode potential series.

Tindak balas sel setengah <i>Half-cell equations</i>	E° / V (298K)
$2\text{H}^+_{(\text{ak}/\text{aq})} + 2\text{e}^- \rightleftharpoons \text{H}_{2(\text{g})}$	0.00
$\text{Cu}^{2+}_{(\text{ak}/\text{aq})} + 2\text{e}^- \rightleftharpoons \text{Cu}_{(\text{p}/\text{s})}$	+0.34
$\text{O}_{2(\text{g})} + 2\text{H}_2\text{O}_{(\text{ce}/\text{l})} + 4\text{e}^- \rightleftharpoons 4\text{OH}^-_{(\text{ak}/\text{aq})}$	+0.40
$\text{Cl}_{2(\text{g})} + 2\text{e}^- \rightleftharpoons 2\text{Cl}^-_{(\text{ak}/\text{aq})}$	+1.36

Jadual 4 / Table 4