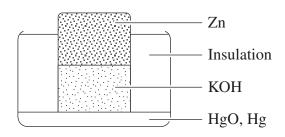
## Question 27 (2 marks)

The diagram shows a particular cell with relevant half equations.



2

$$\begin{split} &\operatorname{Zn}(s) \,+\, 2\operatorname{OH}^-(aq) \quad \rightarrow \quad \operatorname{ZnO}(s) \,+\, \operatorname{H}_2\operatorname{O}(l) \,+\, 2\mathrm{e}^- \\ &\operatorname{HgO}(s) \,+\, \operatorname{H}_2\operatorname{O}(l) \,+\, 2\mathrm{e}^- \quad \rightarrow \quad \operatorname{Hg}(l) \,+\, 2\operatorname{OH}^-(aq) \end{split}$$

Identify the anode, cathode and electrolyte for this cell.	
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