2

Question 27 (2 marks)

The diagram shows a particular cell with relevant half equations.

Zn Insulation - KOH - HgO, Hg

$$Zn(s) + 2OH^{-}(aq) \rightarrow ZnO(s) + H_2O(l) + 2e^{-}$$

 $HgO(s) + H_2O(l) + 2e^{-} \rightarrow Hg(l) + 2OH^{-}(aq)$

Identify the anode, cathode and electrolyte for this cell.

Zinc anode (Zu)	
menuny/oxale cathode	Hgb/cathode
electrolyte KOH	
V	

415