2013 AP® CHEMISTRY FREE-RESPONSE QUESTIONS

(i)	Balanced equation:
(ii)	The pH of the solution decreases as the reaction proceeds. Explain.
A pie	ece of zinc metal is placed in a 1.0 M solution of hydrochloric acid at 25°C.
	ece of zinc metal is placed in a 1.0 <i>M</i> solution of hydrochloric acid at 25°C. Balanced equation:
(i)	
(i)	Balanced equation: When a piece of zinc metal is placed in a $1.0M$ solution of ethanoic (acetic) acid at 25° C, the rate of

YOU MAY USE THE SPACE BELOW FOR SCRATCH WORK, BUT ONLY EQUATIONS THAT ARE WRITTEN IN THE ANSWER BOXES PROVIDED WILL BE SCORED.