Energy 2H ₂ O ₂ C	0 1 and ox
2H ₂ O + O ₂	En
0 1 . 1 Which letter represents activation energy?	0 1 . 1 Which
0 1 . 2 Explain, in terms of energy, how a catalyst can make the reaction happen more quickly. [2 mark	U I . Z
In the presence of water, citric acid ($C_6H_8O_7$) and sodium bicarbonate (NaHCO ₃) react to form sodium citrate (Na ₃ C ₆ H ₅ O ₇), water, and carbon dioxide (CO ₂) in an endothermic reaction.	react t
On the axes below, draw the reaction profile diagram for this reaction, and clearly label the activation energy.	
Energy	Ene
(Total 6 mark	