action profiles	
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When lit, a candle burns wax, $C_{_{20}}H_{_{42}}$,	in the presence of oxygen.
a Write a balanced equation for the	reaction. (2 marks, ★★)
b Draw a labelled reaction profile di	agram for the reaction. (2 marks, ★★)
c Using your diagram explain why t	he candle doesn't burn without first being lit.
(2 marks, ***)	
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