action profiles	
action profiles	
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, <b>***</b> )	
e energy changes of read	tions
e energy changes of reac	tions
For the following questions, tick the	box that gives the correct definition.
For the following questions, tick the Tick one box for each question. (3 ma	box that gives the correct definition. rks, ★)
For the following questions, tick the Tick one box for each question. (3 ma a Bond breaking:	box that gives the correct definition. rks, ★) c Endothermic reactions:
For the following questions, tick the Tick one box for each question. (3 ma a Bond breaking: Releases energy	box that gives the correct definition. rks, ★)
For the following questions, tick the Tick one box for each question. (3 ma a Bond breaking: Releases energy Requires energy	box that gives the correct definition.   rks, ★)   c Endothermic reactions:   Require more energy to break bonds than is released in making them
For the following questions, tick the Tick one box for each question. (3 ma a Bond breaking: Releases energy	box that gives the correct definition. rks, ★) c Endothermic reactions: Require more energy to break bonds than is released in making them Require more energy
For the following questions, tick the Tick one box for each question. (3 ma a Bond breaking: Releases energy Requires energy Only happens in endothermic reactions Only happens in exothermic	box that gives the correct definition.   rks, ★)   c Endothermic reactions:   Require more energy to break bonds than is released in making them   Require more energy to make bonds than is released in breaking them
For the following questions, tick the Tick one box for each question. (3 ma a Bond breaking: Releases energy Requires energy Only happens in endothermic reactions	box that gives the correct definition.   rks, ★)   c Endothermic reactions:   Require more energy to break bonds than is released in making them   Require more energy to make bonds than is
For the following questions, tick the Tick one box for each question. (3 ma a Bond breaking: Releases energy Requires energy Only happens in endothermic reactions Only happens in exothermic reactions b Bond making:	box that gives the correct definition.   rks, ★)   c Endothermic reactions:   Require more energy to break bonds than is released in making them   Require more energy to make bonds than is released in breaking them   Require less energy to break bonds than is released in making them   Require less energy to break bonds than is released in making them   Require less energy to   Brequire less energy to
For the following questions, tick the Tick one box for each question. (3 ma a Bond breaking: Releases energy Requires energy Only happens in endothermic reactions Only happens in exothermic reactions	box that gives the correct definition.   rks, ★)   c Endothermic reactions:   Image: Construct the structure of the st
For the following questions, tick the Tick one box for each question. (3 ma a Bond breaking: Releases energy Requires energy Only happens in endothermic reactions Only happens in exothermic reactions b Bond making: Releases energy	box that gives the correct definition.   rks, ★)   c Endothermic reactions:   Require more energy to break bonds than is released in making them   Require more energy to make bonds than is released in breaking them   Require less energy to break bonds than is released in making them   Require less energy to break bonds than is released in making them   Require less energy to   Brequire less energy to



