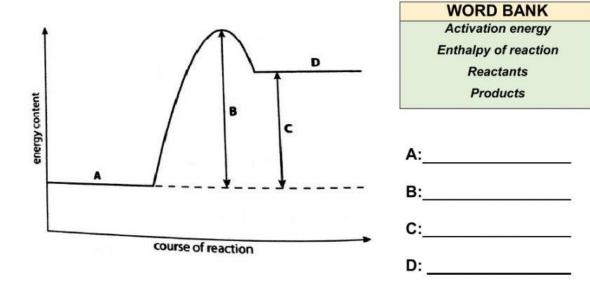
## BAHSE FORM FIVE CHEMISTRY ENERGETICS WORKSHEET

1) Complete the following table by choosing the correct word(s) from the brackets on the right.

For an ENDOTHERMIC REACTION	
a) Energy is the surroundings.	(lost to / gained from)
b) ΔH is	(positive / negative)
c) The energy of products is than the energy of the reactants	(less / greater)
d) The energy of bond formation is than the energy of bond breaking.	(less / greater)
e) Temperature will	(increase / decrease)
For an EXOTHERMIC REACTION	
f) Energy is the surroundings.	(lost to / gained from)
g) ΔH is	(positive / negative)
h) The energy of products is than the energy of the reactants	(less / greater)
h) The energy of products is than the energy of the reactants i) The energy of bond formation is than the energy of bond breaking.	

- 2) The diagram below shows the energy profile diagram for a reaction.
  - a) Identify A, B, C and D using the words in the Word Bank on the right.



- b) In the diagram above, would ΔH be **NEGATIVE** or **POSITIVE**?
- c) In the diagram above, would the reaction be ENDOTHERMIC or EXOTHERMIC?