

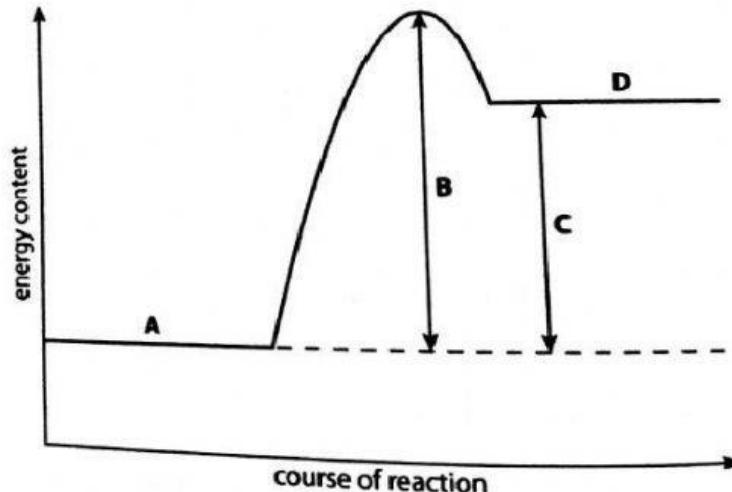
BAHSE FORM FIVE CHEMISTRY ENERGETICS WORKSHEET

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)
i) The energy of bond formation is _____ than the energy of bond breaking.	(less / greater)
j) Temperature will _____	(increase / decrease)

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.



WORD BANK

Activation energy

Enthalpy of reaction

Reactants

Products

A: _____

B: _____

C: _____

D: _____

b) In the diagram above, would ΔH be **NEGATIVE** or **POSITIVE**? _____

c) In the diagram above, would the reaction be **ENDOTHERMIC** or **EXOTHERMIC**? _____