

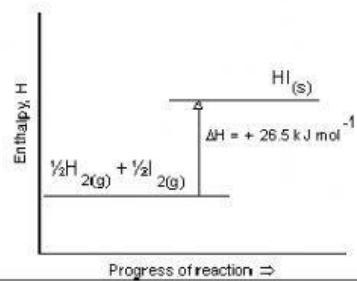
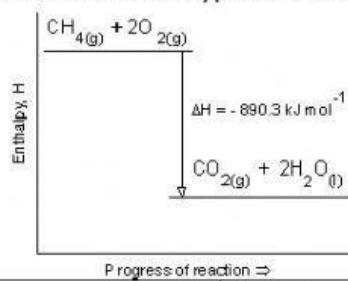
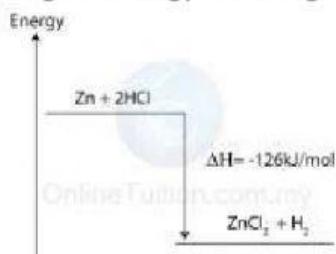
## A. ENERGY CHANGES IN CHEMICAL REACTION

- The characteristics of exothermic and endothermic reactions are shown in the table below:

Criteria	Reaction	
	Exothermic	Endothermic
Definition	_____ that _____ heat _____ surrounding	_____ that _____ heat _____ surrounding
Temperature		
container	become _____	become _____
heat energy for the formation or breaking of bonds	Heat energy that _____ for formation of bond _____ than heat energy that _____ for breaking bond	Heat energy that _____ for formation of bond _____ than heat energy that _____ for breaking bond
heat energy content	Heat energy content in _____ is higher than heat energy in _____	Heat energy content in _____ is higher than heat energy in _____
Heat of reaction, $\Delta H$		

### Energy level diagram

Drag the energy level diagram below to the type of reaction



Exothermic

Endothermic