Name:		
Period:	Daté:	

## Activation Energy WS\_K&L

Define the Following Terms

1	0	
1.	System:	

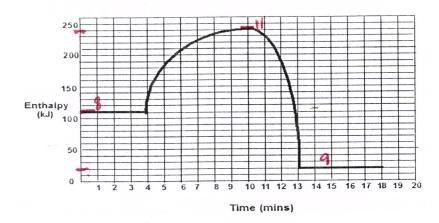
2. Surroundings:

3. Standard Conditions:

4. Enthalpy: \_\_\_\_\_

## Use the Graphs For the Following Questions

## Thermodynamics Graph



- 5. This is a(n) (endothermic/exothermic) graph.
- 6. The surroundings are getting (hotter/colder) and the system is getting (hotter/colder).
- 7. The reaction is (releasing/absorbing) energy and the surroundings are (releasing/absorbing) energy.

8.	The enthalpy (H) of the reactants iskJ.	
9.	The enthalpy (H) of the products iskJ.	
11.	The change in enthalpy ( $\Delta H$ ) of the reaction is $\frac{-80}{100}$ kJ.  PROducts-Reactants  The activation energy of the reaction is $\frac{140}{100}$ kJ.  The (products/reactants) have more potential energy.	
Thermodynamics Graph		
Eretha [kJ]		
13.	This is an (exothermic endothermic) graph.	
14.	The surroundings are getting (hotter/colder) and the system is getting (hotter/colder).	
15.	The reaction is ( <b>releasing/absorbing</b> ) energy and the surroundings are ( <b>releasing/absorbing</b> ) energy.	
16.	The enthalpy (H) of the reactants iskJ.	
17.	The enthalpy (H) of the products iskJ.	
19.	The change in enthalpy ( $\Delta H$ ) of the reaction is $100$ kJ.  130 - 30  The activation energy of the reaction is $110$ kJ.  200 - 30  The <b>products/reactants</b> ) have more potential energy.	
20.	The products reactants) have more potential energy.	

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