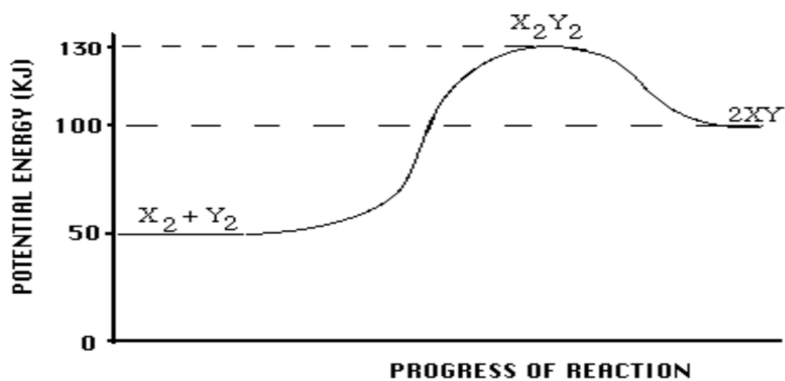


Chemistry 12
Worksheet 1-2 - Potential Energy Diagrams

USE THE **POTENTIAL ENERGY DIAGRAM** TO ANSWER THE QUESTIONS BELOW:



1. Is the overall reaction as shown **exothermic** or **endothermic**? _____
2. What is the **activation energy** for the forward reaction? _____
3. What is the **activation energy** for the reverse reaction? _____
4. What is the **enthalpy change of reaction** (ΔH) for the forward reaction? _____
5. What is the ΔH for the reverse reaction? _____
6. Is the **reverse** reaction **exothermic** or **endothermic**? _____
7. Which species forms the **activated complex**? _____
8. Which species or set of species has the highest **potential energy**? _____