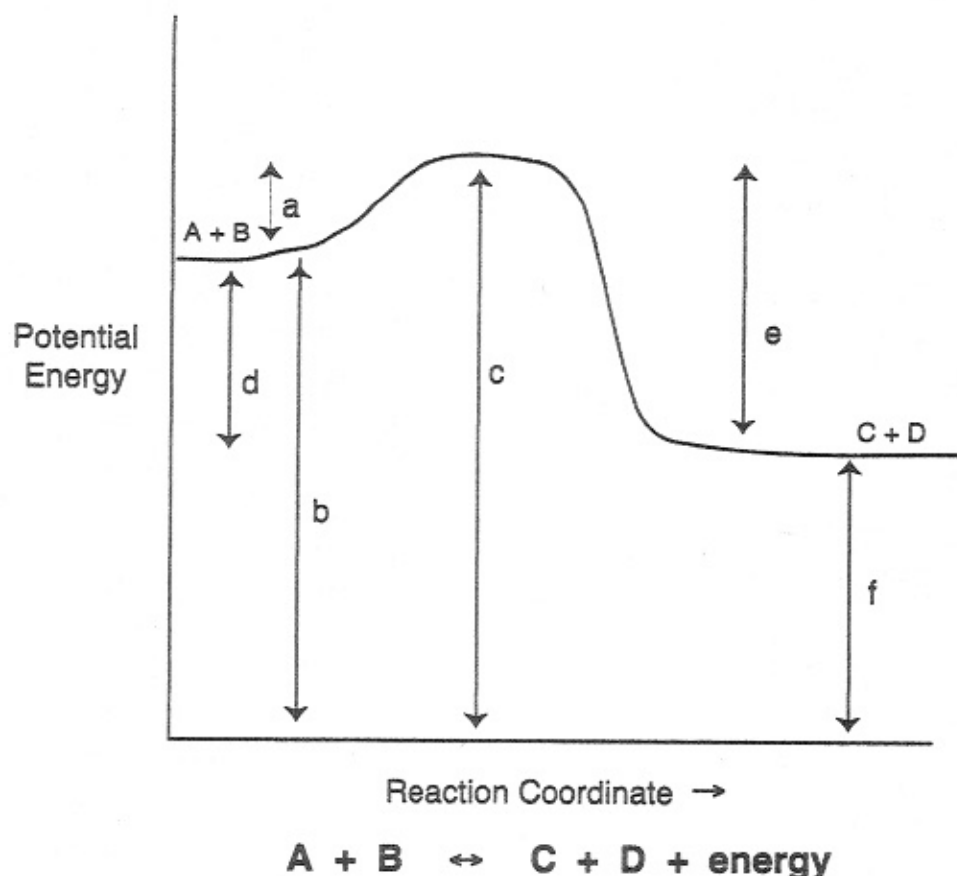


# POTENTIAL ENERGY DIAGRAM

Name \_\_\_\_\_



Answer the questions using the graph above.

1. Is the above reaction endothermic or exothermic? \_\_\_\_\_
2. What letter represents the potential energy of the reactants? \_\_\_\_\_
3. What letter represents the potential energy of the products? \_\_\_\_\_
4. What letter represents the heat of reaction ( $\Delta H$ )? \_\_\_\_\_
5. What letter represents the activation energy of the forward reaction? \_\_\_\_\_
6. What letter represents the activation energy of the reverse reaction? \_\_\_\_\_
7. What letter represents the potential energy of the activated complex? \_\_\_\_\_
8. Is the reverse reaction endothermic or exothermic? \_\_\_\_\_
9. If a catalyst were added, what letter(s) would change? \_\_\_\_\_