



Answer the following questions.

1. Which arrow represents the PE of the reactants? _____
2. Which arrow represents the PE of the products? _____
3. Which arrow represents the PE of the activated complex? _____
4. Is the forward reaction endothermic or exothermic? _____
5. Is the reverse reaction endothermic or exothermic? _____
6. Which arrow represents the activation energy of the forward reaction? _____
7. Which arrow represents the activation energy of the reverse reaction? _____
8. Which arrow represents the heat of reaction of the forward reaction? _____
Is this ΔH positive or negative? _____
9. Which arrow represents the activation energy of the reverse reaction? _____
Is this ΔH positive or negative? _____
10. Which arrow(s) would change with the addition of a catalyst? _____
Would the PE of these arrows increase or decrease? _____
11. Define E_a . _____
12. Two conditions of collision theory are: _____
