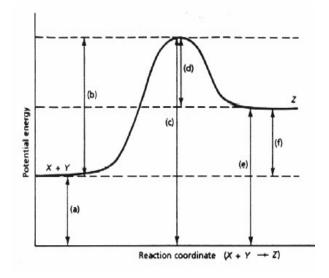
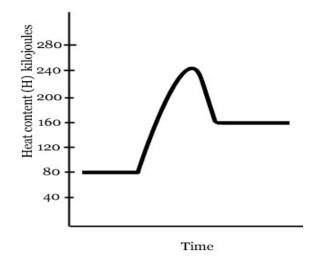
Potential Energy Diagram Worksheet



- 1. Which of the letters a–f in the diagram represents the potential energy of the products? _____
- 2. Which letter indicates the potential energy of the activated complex? _____
- 3. Which letter indicates the potential energy of the reactants?
- 4. Which letter indicates the activation energy?
- 5. Which letter indicates the heat of reaction?
- 6. Is the reaction exothermic or endothermic?
- 7. Which letter indicates the activation energy of the reverse reaction?
- 8. Which letter indicates the heat of reaction of the reverse reaction?
- 9. Is the reverse reaction exothermic or endothermic? ____



1. The heat content of the reactants of the forward reaction is about ______ kilojoules.

- 2. The heat content of the products of the forward reaction is about _____kilojoules.
- 3. The heat content of the activated complex of the forward reaction is about ______ kilojoules.
- 4. The activation energy of the forward reaction is about _____ kilojoules.
- 5. The heat of reaction (Δ H) of the forward reaction is about ______ kilojoules.
- 6. The forward reaction is _____ (endothermic or exothermic).
- 7. The heat content of the reactants of the reverse reaction is about ______ kilojoules.
- 8. The heat content of the products of the reverse reaction is about ______ kilojoules.
- 9. The heat content of the activated complex of the reverse reaction is about _____kilojoules.
- 10. The activation energy of the reverse reaction is about ______ kilojoules.
- 11. The heat of reaction (Δ H) of the reverse reaction is about ______ kilojoules.
- 12. The reverse reaction is ______ (endothermic or exothermic).