

Chemistry 0 Week 13 HW
Assigned on 01/16/2022 Due date: 01/22/2022

1. How does adding a catalyst speed up a reaction?
 - A. It heats it up
 - B. It increases the concentration of the reactants
 - C. It provides an alternative pathway for the reaction with a lower activation energy
 - D. All of the above

2. A catalyst is _____.
 - A. a substance that speeds up a reaction
 - B. a substance that is not consumed in a chemical reaction
 - C. a substance sometimes called an enzyme
 - D. All of the above

3. What type of reaction occurs in a hand warmer?
 - A. Endothermic
 - B. Exothermic

4. If a chemical reaction is EXOTHERMIC, the temperature would _____.
 - A. Increase
 - B. Decrease
 - C. Stay the same

5. A student mixed two chemicals to allow them to react. The temperature before the reaction was 25 ° C. The temperature after the reaction was 18° C. Which of the following is true?
 - A. It is an endothermic reaction
 - B. It is an exothermic reaction

6. When ammonium nitrate is added to water, an endothermic reaction occurs and _____.

- A. nothing changes
- B. the temperature of the reaction mixture falls
- C. the temperature of the reaction mixture increases
- D. Heat is given out

7. In an exothermic reaction, _____.

- A. energy is absorbed from the surroundings and the temperature increases
- B. energy is released to the surroundings and the temperature of the surroundings increases
- C. energy is absorbed from the surroundings and the temperature of the surroundings decreases
- D. energy is released to the surroundings and the temperature of the surroundings decreases

8. In an endothermic reaction, _____.

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