

Name _____

Exothermic Vs. Endothermic Reactions

Multiple Choice Questions

1. Which type of reaction releases heat and often light?
 - a) Endothermic reaction
 - b) Exothermic reaction
 - c) Combustion reaction
 - d) Decomposition reaction

2. In an exothermic reaction, substances:
 - a) absorb more energy than they release.
 - b) require energy from their surroundings.
 - c) release more energy than they absorb.
 - d) cause a decrease in temperature.

3. What is an example of an endothermic reaction?
 - a) Combustion of gasoline
 - b) Dissolving of ammonium nitrate in water
 - c) Cooking food in a microwave
 - d) Lighting a candle

4. Which of the following statements is true?
 - a) Exothermic reactions make the surroundings feel cooler.
 - b) Endothermic reactions release more energy than exothermic reactions.
 - c) Both exothermic and endothermic reactions absorb energy from their surroundings.
 - d) In an endothermic reaction, substances release heat.

5. What is the primary role of endothermic reactions in biological processes?
 - a) To provide energy for bodily functions
 - b) To maintain a stable internal temperature
 - c) To release heat and light
 - d) To cool down the body

