

Name _____

The Magnetic Magic Inside Your Microwave

Multiple Choice Questions

1. What is the primary function of a magnetron in a microwave oven?
 - a) Cooking food using open flames
 - b) Generating microwave radiation for heating and cooking
 - c) Cooling down the microwave chamber
 - d) Producing cold air for refrigeration

2. How do microwave ovens cook food?
 - a) By using conduction through metal plates
 - b) By emitting infrared radiation
 - c) By rapidly vibrating water molecules in the food
 - d) By exposing food to ultraviolet light

3. Which materials should you avoid putting inside a microwave oven due to the risk of causing sparks?
 - a) Glass and ceramic containers
 - b) Metal containers or those with metal accents
 - c) Microwave-safe plastic containers
 - d) Wooden containers

4. Why is it essential to follow the manufacturer's instructions when using a microwave oven?
 - a) To prevent food from overheating
 - b) To reduce cooking time
 - c) To avoid burns or injuries and ensure safe usage
 - d) To increase the microwave's power output

5. What happens to water molecules in food when exposed to microwave radiation?
 - a) They turn into ice.
 - b) They evaporate.
 - c) They rapidly vibrate, generating heat.
 - d) They remain unchanged.

