

Name _____

The Magnetic Magic Inside Your Microwave

Short Answer

1. Explain the role of the magnetron in a microwave oven and how it generates microwave radiation.
2. Describe how microwave radiation interacts with water molecules in food, leading to the heating and cooking of the food.
3. List three materials that are safe to use in a microwave oven, and explain why they are suitable for microwave cooking.
4. Why should you never operate an empty microwave oven, and what damage can it cause?
5. Discuss the importance of safety precautions when using microwave ovens and provide two essential safety tips.

