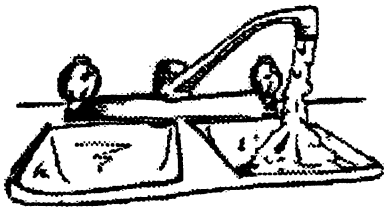
Name _____ Date _____

MICROWAVE COOKING CONCEPT #1:

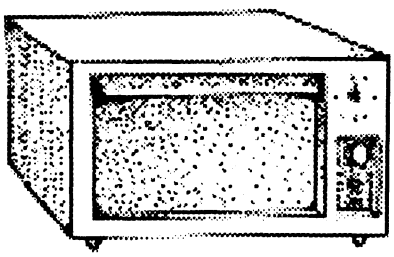
Use potholders to avoid burns. Dishes in a microwave oven do get warm.

You Need:



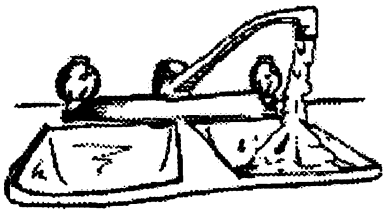
water

beverage cup with handle



microwave

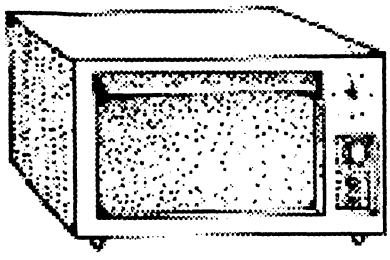
1.

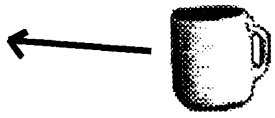


FILL TO HERE 

Fill mug half full of water at room temperature.

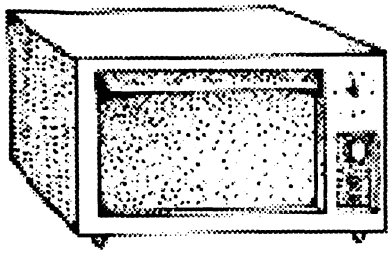
2.





Place mug of water in microwave oven.

3.



2 minutes
2:00

Microwave at HIGH POWER for 2 minutes. Remove from oven.

MICROWAVE COOKING CONCEPT #1

You Need:

beverage cup with handle
water
microwave

1. Fill mug half full of water at room temperature.

2. Place mug of water in microwave oven.

3. Microwave at HIGH POWER for 2 minutes. Remove from oven.

Observations:

1. What happened to the temperature of the water? _____

_____

2. What is the temperature of the mug holding the water? _____

_____

3. What is the temperature of the mug's handle? _____

_____

4. How do you explain your observation? _____

_____

_____

MICROWAVE COOKING CONCEPTS # 1 (KEY)

Observations:

1. What happened to the temperature of the water? When heated in the microwave the water gets very hot.

2. What is the temperature of the mug holding the water? The mug holding the water gets warm.

3. What is the temperature of the mug's handle? The handle of the mug stayed cooler than the mug.

4. How do you explain your observation? The water was heated by microwave energy. The heat of the water made the mug that was next to it warm. The handle was farther away from the water, so it did not get heated very much.