

Your body can also transfer heat. Try this experiment to see how.

## WHAT YOU NEED:

- Glass bottle with a small lip (“classic” soda bottle)
- A nickel
- Large bowl
- Water
- Ice
- Warm hands

## WHAT YOU DO:

1. Fill the bowl with about 2 inches (5 cm) of water and ice.
2. Place the coin in the water.
3. Turn the bottle upside down and hold it with the top of the bottle under the water for two minutes.
4. Turn the bottle right side up, and place it on a table. Put the coin on the lip of the bottle.
5. Wrap both your hands around the bottle to warm it.
6. Within 30 seconds, the coin will jump and dance.

Why does this happen? Heat transfers from your warm hands to the cold glass, which in turn warms the air inside the bottle. Warm air expands. It pushes against the coin to make it move.

