

Tiny Explorers of Heat and Energy

Thermodynamics · Practice Test · 8 Questions

1. When you touch a warm mug of hot chocolate, what happens to the heat?

- A) The heat disappears.
- B) The heat moves from the mug to your hands.
- C) Your hands make the mug hotter.
- D) The heat goes into the air very fast.

2. Which of these things is usually the hottest?

- A) A block of ice.
- B) A glass of cold water.
- C) The sun in the sky.
- D) A frozen popsicle.

3. When water gets very cold, what does it turn into?

- A) Steam.
- B) Air.
- C) Ice.
- D) Sand.

4. What makes a balloon get bigger when you blow into it?

- A) The air inside gets colder.
- B) The air outside pushes it.
- C) The air inside gets warmer and moves around more.
- D) The balloon shrinks.

5. Why does a metal spoon feel colder than a wooden spoon when you touch them both after they've been in the same cold room?

- A) The metal spoon is magic.
- B) The metal spoon takes heat away from your hand faster.
- C) The wooden spoon is hotter.
- D) The metal spoon is bigger.

6. What do we call the energy that makes things feel hot or cold?

- A) Sound energy.
- B) Light energy.
- C) Heat energy.
- D) Water energy.

7. When you put a block of ice in a warm place, what happens to the ice?

- A) It gets harder.
- B) It melts and turns into water.
- C) It turns into steam.
- D) It stays the same.

8. Why does a stove or heater make a room warmer?

- A) It takes heat from the room.
- B) It makes more air.
- C) It adds heat energy to the room.
- D) It makes the walls colder.