

Fun Facts About Heat

Thermodynamics · Answer Key · 10 Questions

1. What is the main source of heat for the Earth?

- A) The Moon
- B) The Sun**
- C) The wind
- D) The ocean

2. Which tool is used to measure how hot or cold something is?

- A) A ruler
- B) A scale
- C) A thermometer**
- D) A clock

3. What happens to an ice cube when it is left in a warm room?

- A) It melts**
- B) It freezes
- C) It turns into gas
- D) It gets bigger

4. When you touch a hot mug, why does your hand feel warm?

- A) Heat moves from the mug to your hand**
- B) Heat moves from your hand to the mug
- C) The mug is cold
- D) Nothing happens

5. Which of these objects is usually the hottest?

- A) A cold glass of water
- B) An ice cube
- C) A boiling pot of water**
- D) A room temperature apple

6. What do we call the state of water when it is frozen solid?

- A) Steam
- B) Liquid
- C) Gas
- D) Ice**

7. Which material is good at keeping heat inside a winter coat?

- A) Metal
- B) Glass
- C) Insulation or fluff**
- D) Plastic

8. What happens to the air inside a balloon when it is heated?

- A) It stays the same
- B) It gets smaller
- C) It expands and takes up more space**
- D) It disappears

9. Where does heat go if you leave a hot cup of cocoa on a table?

- A) It stays in the cup forever
- B) It escapes into the surrounding air**
- C) It turns into ice
- D) It moves into the table only

10. What do we call the process of water turning into steam when heated?

- A) Freezing
- B) Evaporation**
- C) Cooling
- D) Solidifying