

## Temperature Quiz PDF

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**Which device is commonly used to measure body temperature?**

- Barometer
- Thermometer
- Hygrometer
- Anemometer

**At what temperature does water freeze on the Celsius scale?**

- 0°C
- 32°C
- 100°C
- 273.15°C

**What is the lowest possible temperature called?**

- Absolute zero
- Freezing point
- Boiling point
- Room temperature

**What is the primary unit of temperature in the metric system?**

- Fahrenheit
- Celsius
- Kelvin
- Rankine

**Explain the difference between heat and temperature.**

**Which of the following are units of temperature? (Select all that apply)**

- Celsius
- Joule
- Kelvin
- Fahrenheit

**Which devices are used to measure temperature? (Select all that apply)**

- Thermometer
- Thermocouple
- Barometer
- Pyrometer

**What is the boiling point of water on the Kelvin scale?**

- 100 K
- 273 K
- 373 K
- 473 K

**Which temperature scales are used in scientific research? (Select all that apply)**

- Celsius
- Fahrenheit
- Kelvin
- Rankine

**Which of the following is a liquid-in-glass thermometer typically filled with?**

- Water
- Mercury
- Alcohol

Oil

**Describe how the Kelvin scale is different from the Celsius scale.**

**Why is absolute zero considered an important concept in physics?**

**Which statements about heat and temperature are true? (Select all that apply)**

- Heat is a form of energy.
- Temperature measures the average kinetic energy of particles.
- Heat and temperature are the same.
- Temperature can be measured in joules.

**Which law of thermodynamics states that energy cannot be created or destroyed?**

- Zeroth Law
- First Law
- Second Law
- Third Law

**Which factors contribute to global warming? (Select all that apply)**

- Greenhouse gases
- Solar flares
- Deforestation

Ocean currents

**Describe the role of thermometers in everyday life and scientific research.**

**How does the Second Law of Thermodynamics relate to the concept of entropy?**

**Which of the following are laws of thermodynamics? (Select all that apply)**

- Zeroth Law
- First Law
- Newton's Law
- Second Law

**Who developed the Fahrenheit temperature scale?**

- Anders Celsius
- Lord Kelvin
- Daniel Fahrenheit
- Isaac Newton

**Discuss the impact of temperature changes on ecosystems.**

