

Heat is a form of energy that can move from one object to another. When an object gets warm, it gains heat. When an object cools down, it loses heat. Temperature is a measure of how hot or cold something is. We use a thermometer to measure temperature. Some materials allow heat to pass through them easily; these are called conductors of heat. Other materials do not let heat pass through them easily; these are called non-conductors of heat.

Fill in the blank with the correct words.

1. When an object gets warm, it gains _____.
2. When an object cools down, it _____ heat.
3. A _____ measures temperature.
4. Materials that let heat pass through them easily are called _____ of heat.
5. Materials that do not let heat pass through them easily are called _____ of heat.

Word bank: thermometer, heat, loses, conductors, non-conductors

Multiple Choice Questions:

Choose the correct answer from the choices for each question.

1. What happens when an object gains heat?

- a) It cools down
- b) It gets warmer
- c) It freezes
- d) It becomes a conductor

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2. What tool do we use to measure temperature?

- a) Scale
- b) Ruler
- c) Thermometer
- d) Stopwatch

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3. Which of the following is a conductor of heat?

- a) Wood
- b) Plastic
- c) Metal
- d) Rubber

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4. Which of the following is a non-conductor of heat?

- a) Aluminium
- b) Steel
- c) Copper
- d) Wool

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5. What is temperature a measure of?

- a) How heavy something is
- b) How loud something is
- c) How hot or cold something is
- d) How tall something is

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Open Ended Questions: Answer the following questions in complete sentences.

1. Explain what happens when an ice cube is left out in the sun.

2. Describe how you would use a thermometer to measure the temperature of water.

3. Give an example of a conductor of heat and explain why it is used in cooking.
