

Heat and Temperature

Science

Chapter-9,Class-7

Heat and temperature

When a hot object and a cold object come in contact with each other, a type of energy flows from the hot object to the colder one. This energy is called heat energy. The SI unit of heat is Joule (J).

Calorie is the older metric unit.

The degree of hotness or coldness of an object is called its temperature. The SI unit of temperature is Kelvin (K).

Q.Give five examples of event/your experience which can define heat and temperature, like...

1.when we prepare a cup of tea,we take normal water then we set it on the gas stove burner.After few minutes, it becomes hot due to **heat**.So,first its **temperature** was low when we give heat it's **temperature** rises.

2.

3.

4.

5.

Fill in the blanks with appropriate words:

1. Heat always travels from _____ body to a _____ body.
2. The degree of hotness or coldness of body is called _____.
3. Heat is a form of _____.
4. S.I. unit of heat is _____.
5. _____ are the unit of temperature.

Give the answers of following questions:

1. Write the difference between matter and energy?
2. Mention the difference between heat and temperature?
3. "Heat travels from warmer objects to cooler objects"-Explain it with an experiment with figure.

Mention true/false, if correct the statement:

1. the degree of hotness of a body is called heat.
2. Heat get transferred from hot objects to cold object.
3. There is just one type of temperature scale and that is degree Celcius.
4. $1\text{J} = 4.2\text{ cal}$.

Presented by Md.Rashikul Islam