

Grade - 5

Subject- Physics

Chapter – 11, Lesson - 1



What are properties of matter?

Mrs. Ruksana and Mrs. Farhana

Definition:

- i. **Weight**- Weight is a measure of pull of gravity on an object.
- ii. **Mass**- Mass is the amount of matter in an object.
- iii. **Volume**- Volume is the amount of space that an object takes up.
- iv. **Density**- Density is a measure of the amount of matter in a given volume.

Q/A

1. What is matter?

Ans. Matter is anything that has mass and occupies space.

2. What are elements?

Ans. Elements are the basic building blocks of matters. Elements combine to make up all other kinds of matters. Elements cannot be broken into simpler substances with ordinary physical or chemical processes. For example, gold, silver, carbon, etc.

3. What are the properties of elements?

Ans. Each element has its own chemical and physical properties. Chemical properties describe how a material changes into other materials. Physical properties include an object's mass, volume, colour, odor and phase at room temperature.

4. Why do objects float or sink in a liquid?

Ans. Whether a certain material floats in a liquid depends on the densities of both the liquid and the material. If the object's density is less than the liquid's density, it will float. If the object's density is greater than the liquid's density, it will sink.