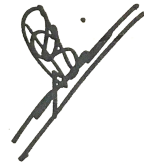


**Grade - 4**

**Subject - Physics**

**Ch - 11, Lesson - 4**



**How does matter change?**

Mrs. Ruksana and Mrs. Farhana

**Definitions:**

- a. **Elements-** Elements are pure substances and their particles are alike.
- b. **Periodic table-** periodic table is a chart where elements are arranged according to their properties.
- c. **Melting point-** It is the temperature at which a substance changes from a solid to a liquid.
- d. **Boiling point-** it is the temperature at which a substance changes from a liquid to a gas.

**Q/A**

**1. What is a physical change?**

Ans. A change in the size, shape or state of matter is called a physical change.

**2. Give some examples of physical changes.**

Ans. i) Tearing a paper.

ii) Making a toy out of clay.

iii) Changing of water into ice.

iv) Dissolving salt in water.

### **3. What is a chemical change?**

Ans. It is a process in which one or more substances change and form a completely different substances.

### **4. Write some examples for chemical changes.**

Ans. i) Rusting of Iron.

ii) Burning of paper.

iii) Tarnishing of silver.

### **5. How do substances change phases?**

Ans. Substances change phase when enough heat energy is added or taken away.