



Our Vision:Innovative education for a knowledge, pioneering, and global society.

FIRST TERM NOTES[2017 – 2018]

Subject: Science

Gr-4

LESSON-6, 10

Lesson -6; Solids, Liquids and Gases

1.What is matter?

Ans. Anything that has weight and occupies space is called matter.

2. Why do solids have a definite shape and size?

Ans. In solids, the molecules are very closely packed and do not have space between them to move.

3. Do molecules in a liquid have more space between them than solids?

Ans. Yes, in liquids the molecules are not closely packed and there is some space between them to move.

4. How is a gas able to spread in all directions?

Ans. Molecules in a gas are placed far apart from each other and there is a lot of space between them.

5. Write the difference between Solids and Liquids.

<u>SOLIDS</u>	<u>LIQUIDS</u>
1. Molecules are very closely packed and do not have space between them to move.	1. Molecules are not very closely packed and there is some space between them to move.
2. They have a definite shape, size and volume	2. Do not have a definite shape but they have a definite volume.

6. How can you change ice into steam?

Ans. When the ice is heated, its molecules loosen up and changes to liquid and when the liquid is heated more the molecules become free and changes into its gas or steam state.

7. What is solubility?

Ans. The ability of a solute to dissolve in a solvent is known as its solubility.



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Lesson- 10: Force, Work and Energy

1. Define force.

Ans. Force is a push or pull.

2. Name any two types of forces.

Ans. Muscular force and gravitational force.

3. When is work said to be done?

Ans. Work is done when an object is moved through a distance by using force.

4. Write a short note on solar energy.

Ans. Sun is the main source of energy which is also known as solar energy. The light energy from the sun is trapped by the plant to produce food. Plants, animals and human use this food to get energy.

5. Name two devices which use solar energy

Ans. Solar Cooker and Solar heater.

6. Which type of energy is used to fly a kite?

Ans. Wind energy.

7. Name the different sources of energy.

Ans. Sun, Wind, Water and Geothermal.

8. What is Geothermal energy?

Ans. The heat stored inside the earth is called Geothermal energy.

9. Name the energy change in the following.

Fan: Electrical energy ----- Mechanical energy

Radio: Electrical energy ----- Sound energy

Bulb: Electrical energy ----- Light energy, Heat energy

10. What is mechanical energy?

Ans. The moving objects have energy called mechanical energy