



**ST.LAWRENCE HIGH SCHOOL**  
JESUIT MINORITY INSTITUTION



**CLASS 5**

**SUB: GENERAL SCIENCE**

**STUDY MATERIALS**

**DATE: 09.05.2020**

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**ANSWER THE FOLLOWING: (CHAPTER -5-SOLIDS,LIQUIDS AND GASES)**

**1.What is Matter?**

Ans: Matter is anything that occupies space and has weight. It can be solid, liquid or a gas.

**2. What are molecules?**

Ans: A molecule is the smallest unit of a substance that has all the properties of that substance.

**3. What are molecules made up of?**

Ans: Molecules are made up of atoms.

**4. Name any 2 solids, 2 liquids and 2 gases that can dissolve in water.**

Ans: Solids- Salt and Sugar, Liquids- Milk and Alcohol, Gases- Oxygen and Carbon dioxide.

**5. Why do solids have a fixed shape?**

Ans: In solids, the molecules are very close to each other. They attract each other with great force. So , a solid is hard, rigid and has a definite shape and volume.

**6. Why do liquids flow?**

Ans: In liquids, the molecules are less closely packed. The attraction between the molecules in liquids is less as compared with that in solids. Molecules can move around freely. That is why liquids can flow.

**7. When do we say that liquids are miscible?**

Ans: When two liquids have dissolved in each other and appear as one liquid. Then they are said to be miscible.

## **8. What is a physical change?**

Ans: A physical change is a temporary change which can be reversed and changes takes place only in the state of matter. For example: Water turns into ice when cooled, Solid wax turns into liquid wax when heated.

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

Ans: In a chemical change, heating or cooling results in a permanent change in the state of matter. A new substance is formed and we cannot get back the old substance. For example: When a piece of paper is burnt it changes into ash, Curdling of Milk.

## **10. Give 3 characteristic features of a chemical change.**

Ans:

- Chemical changes are permanent
- It cannot be reversed
- It results in the formation of new substances

## **CHAPTER-7-ROCKS AND MINERALS:**

### **1. What are rocks made up of?**

Ans: Rocks are made up of minerals.

### **2. What are minerals?**

Ans: Minerals are the natural non-living substances and they are the building blocks of rocks. There are 2 types of minerals- Metallic and non-metallic.

### **3. What is slate commonly used for?**

Ans: Slate is commonly used for making Slates and Black board.

### **4. How are igneous rocks formed?**

Ans: An igneous rock is a rock that has formed from the cooling and solidification of magma or lava. They form the base of all forms of land-plains, mountains and ocean beds .