

UNIT II- MATTER AROUND US

Class: V

Subject : Science

I. Choose the correct answer

1. Which of the following are the states of matter?

a) Solid, Liquid, Water

b) Solid, Liquid, Gas

c) Solid, Liquid, Wood

d) Solid, Liquid, Sugar

2. Which of the following is a solid?

a. Kerosene

b. Air

c. Water

d. Apple

3. Jute fibre is obtained from

a. leaf

b. stem

c. flower

d. root

II . Fill in the blanks.

1. Black and Alluvial soil is suitable for growing cotton.

2. The process of making cotton yarn from cotton fibre is Ginning.

3. Ginning is done to separate Cotton balls from the seeds.

4. Synthetic fibre is also called Manmade fibre.

5. Woolen clothes are manufactured from Animals (plant / animals).

III. Match the following.

1. Yarn – Ginning **2**

2. Lint – Spinning **3**

3. Fabrics - Wood pulp **4**

4. Rayon – Stem **5**

5. Jute – Weaving **1**

IV. Say True or False.

1. Coir is the outer covering of coconut **True**
2. Beans and peas are **grains**. **False**
3. Table is a household good. **True**
4. Sweet corn is not a product of maize. **False**
5. Cotton balls contain **cotton** fibre. **False**

V. Complete the given analogy.

1. Solid : Table :: **Liquid**: Water
2. Cotton seed : **Ginning** :: Lint : Spinning
3. Coir fibre : **Outer covering of Coconut**:: Cotton fibre : Cotton Plant
4. Black Pepper : Spice :: Sweet corn : **Maize**

VI. Answer in brief.

1. What is known as ginning?

Ans : The raw fibres are separated from the seeds by a process known as Ginning.

2. Give two examples for food products made from wheat.

Ans : Bread, Cakes.

3. What are synthetic fibres?

Ans : These fibres are made by human beings with the help of chemical process. Hence, they are called synthetic fibres or manmade fibres.

These fibres are obtained from coal, petroleum and natural gas.

4. What is known as upthrust?

Ans : When an object is immersed into a liquid, the liquid exerts an upward force on the object. It is known as upthrust.

5. Name the list of whole grains.

Ans : Wheat, maize, rice, beans, peas, barely and millets.

VII. Answer in detail.

1. Discuss briefly on three states of matter.

Ans :

Solid

In solids molecules are very closely arranged. Solids are incompressible. They have definite shape, size and volume.

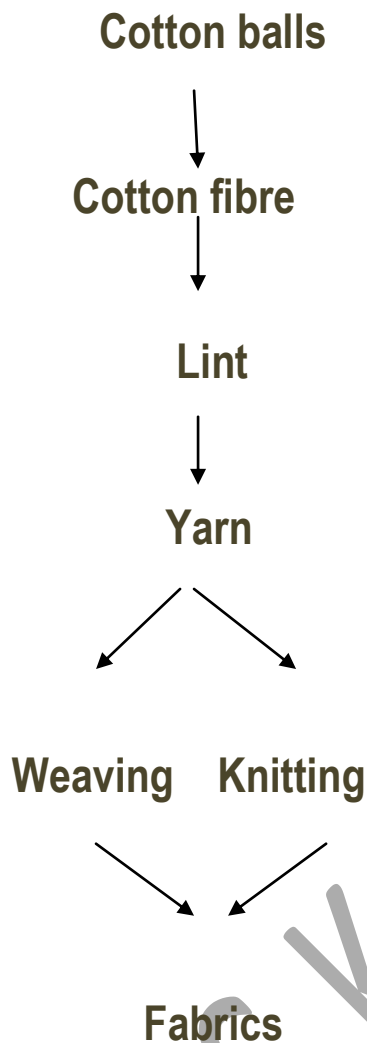
Liquids

In liquids molecules are loosely packed. Hence, liquids are negligibly compressible. They have definite volume, but no definite shape and size.

Gas

In gases, molecules are very loosely packed. Hence, gases are highly compressible.

2. Draw a flow chart to indicate the process of making fabrics from cotton ball.



VIII. Give reason.

1. Why umbrellas are made up of synthetic clothes?

Reason: Umbrellas are made of synthetic fibres because it is waterproof and do not get wet.

2. What determines whether an object floats or sinks in a fluid?

Reason: If an object has a density less than that of water, it will float. If an object has a density more than that of water, it will sink.