

## Solids, Liquids and Gases

Fill in the blanks:-

1. Matter is anything that occupies \_\_\_\_\_ and has \_\_\_\_\_.
2. There are \_\_\_\_\_ kinds of atom in the world.
3. The aerated drink has \_\_\_\_\_ gas.
4. Water in the oceans and lakes contains dissolved \_\_\_\_\_ and \_\_\_\_\_.
5. The arrangement of molecules differ in \_\_\_\_\_ states of matter.
6. A molecule can be further broken down into still smaller units called \_\_\_\_\_.
7. A \_\_\_\_\_ has all the properties of a substance.
8. Molecules are constantly \_\_\_\_\_ towards each other and are always in a state of motion.

Define:-

1. Matter- \_\_\_\_\_  
\_\_\_\_\_
2. Molecules- \_\_\_\_\_  
\_\_\_\_\_
3. Atoms- \_\_\_\_\_  
\_\_\_\_\_
4. Physical change- \_\_\_\_\_  
\_\_\_\_\_
5. Chemical Change- \_\_\_\_\_  
\_\_\_\_\_
6. Miscible liquids- \_\_\_\_\_  
\_\_\_\_\_
7. Immiscible liquids- \_\_\_\_\_  
\_\_\_\_\_

Write true or false-

1. All matter can be split into tiny units that can is visible to the naked eye. [ ]
2. Molecules are not always in a state of motion. [ ]
3. Solids are hard and do not have a definite shape. [ ]
4. Molecules in a gas move faster than a molecule in solid or liquid. [ ]

5. Physical change can be reversed. [ ]
6. Chemical change is a permanent change. [ ]
7. The changes occurring inside our body are called physical changes. [ ]

Write short answers:-

Name some substances which are insoluble in water.

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What are the properties of a physical change?

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What are the properties of a chemical change?

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**Answer in one word.**

- a. Two liquids that do not mix with each other are called \_\_\_\_\_.
- b. Changes that are continuously occurring in our body \_\_\_\_\_.
- c. A gas dissolved in oceans, rivers and lakes \_\_\_\_\_.
- d. Atoms of the same kind combine to form \_\_\_\_\_.
- e. Atoms of different kinds combine to form \_\_\_\_\_.

Draw-

Arrangement of molecules in solids, liquids and gases

Show with the help of a diagram that liquid takes the shape of its container.

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