

Chemistry Test Class VII

Matter and its Composition/ Physical and Chemical Changes

Time: 1:30 hr

M.M.= 40

1. Fill in the blanks: 1 x 5 = 5
 - a. _____ and _____ are known as fluids.
 - b. The process of conversion of a liquid into its vapour at a fixed temperature is _____.
 - c. _____ can flow easily in all the directions.
 - d. The breaking of coal into smaller pieces is a _____ changes.
 - e. In any physical or chemical change, _____ is either absorbed or evolved.
2. State whether true or false: 1 x 5 = 5
 - a. There is no change in the chemical composition of a substance undergoing a physical change.
 - b. Solids can be compressed easily.
 - c. Burning of sugar is a physical change.
 - d. Molecules can exist independently.
 - e. The two main properties of matter are – it occupies space and has mass.
3. Differentiate between: 2 x 3 = 6

a. Solid and gas	b. chemical and physical change	c. liquid and solid
------------------	---------------------------------	---------------------
4. Give two examples each of the three state of matter. 1
5. All gases are fluids but all fluids are not gases. Justify the statement. 2
6. Classify the following as solid, liquids and gases: 2
 Hydrogen, pen, juice, ball, air, common salt, carbon dioxide, table, milk
7. Give one word for the following: 1 x 5 = 5
 - a. The change in which heat is absorbed
 - b. When only the physical appearance of the substance changes
 - c. The process in which a gas turns into a liquid on cooling
 - d. Changes of a substance from one physical form to another
 - e. The process in which a solid directly changes into its gaseous state at all temperature.
8. With the help of an activity, explain the type of change where energy is absorbed. 3
9. Why is burning of a fuel a chemical change? 2
10. Not all physical changes can be reversed. Give a suitable example to support the statement. 3
11. Define all characteristics of a chemical change. 3
12. Give an example of matter which exists in all the three states and justify your example. 3