

CLASS-IX (CHEMISTRY)

CH-1: MATTER IN OUR SURROUNDINGS (WORKSHEET-1)

1. Fill in the blanks:

- (a) Anything that occupies space and has mass is called _____.
- (b) The intermixing of two kinds of particles on their own by the movement of the particles from the place of its higher concentration to the place of its lower concentration is called _____.
- (c) Matter is _____ in nature.
- (d) When temperature increase, rate of diffusion _____.
- (e) When temperature _____, kinetic energy or molecular motion of the particles increases.

2. Identify and write which characteristic of the particles of matter is explained by each of the following observations:

- (a) When we try to break the stream of water with our fingers, the stream still remains together.
- (b) The smell of the hot sizzling food reaches several meters away within a few seconds.
- (c) When we add salt in water to make the salt solution, the level of water remains the same.
- (d) On adding a drop of ink to a glass of water, it colours the entire water without stirring.
- (e) The driver is able to cut through water in a swimming pool.

3. Give reason:

- (a) It is hard to break an iron nail by hammering than to break a rubber band by stretching.
- (b) We get the smell of the lighted incense stick sitting at a distance but to get the smell of the unlit incense stick we have to go near.

