

Name: _____ Date: _____

Matter in Our Surroundings

Q1. Fill in the blanks.

- Ans. a. _____ have a definite shape, distinct boundaries and fixed volumes.
b. _____ have no fixed shape but have a fixed volume.
c. The smell of perfume gradually spreads across a room due to _____.
d. Heat required to change the state of a substance without changing its temperature is called _____.
e. _____ is the SI unit of temperature.
f. Solid carbon dioxide is also known as _____.
g. The chemical name of dry ice is _____.
h. When steam condenses to form water, heat is _____.
i. The fluorescent tube and neon sign bulbs consist of _____.
j. Evaporation of a liquid at room temperature leads to a _____ effect.
k. The phenomenon of change of a liquid into the gaseous state at any temperature below its boiling point is called _____.

Q2. Which one of the following sets of phenomena would increase on raising the temperature?

- (a) Diffusion, evaporation, compression of gases
(b) Evaporation, compression of gases, solubility
(c) Evaporation, diffusion, expansion of gases
(d) Evaporation, solubility, diffusion, compression of gases

Ans. _____

Q3. Seema visited a Natural Gas Compressing Unit and found that the gas can be liquefied under specific conditions of temperature and pressure. While sharing her experience with friends she got confused. Help her to identify the correct set of conditions.

- (a) Low temperature, low pressure
(b) High temperature, low pressure
(c) Low temperature, high pressure
(d) High temperature, high pressure

Ans. _____