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Questions:

Assertion and reason

1. Assertion A): Gases can be easily compressed.
Reason (R): Gases have least intermolecular interactions
Codes:
a) Both (A) and (R) are true and (R) is the correct explanation of the assertion (A).
b) Both (A) and (R) are true but (R) is not the correct explanation of the assertion (A).
c) (A) is true but (R) is false.
d) (A) is false but (R) is true.

Multiple Choice Question

2. The conversion of gas into liquid is called _____
(a) freezing (b) condensation (c) sublimation (d) fusion

3. The ice floats on water because _____
(a) its density is more than water (b) its density is less than water (c) it has less intermolecular space (d) none of the above

4. Solids and gases mix / dissolve in water _____
(a) because water is a good solvent (b) because water has intermolecular space (c) diffusion is faster in water (d) all of the above

5. Choose the correct statement from the following:
(a) the volume of gas expands on heating (b) two gases cannot diffuse into each other (c) gas is converted into solid, it is called condensation (d) gases cannot diffuse in solids

6. The pressure of air is measured in atmosphere and pascal. 1 atmospheric pressure is equal to _____
(a) 1.01325 x 10^5 Pa (b) 1.01325 x 10^4 Pa (c) 10.1325 x 10^5 Pa (d) 10.1325 x 10^6 Pa

7. Which of the following substances is not a solid?
(a) Butter (b) Glass (c) Sponge (d) Rubber band

8. Which one of the following sets of phenomena would increase on raising 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

9. Large volume of compressed natural gas (CNG)is available in small cylinders to us due to its property of
(a) high inflammability (b) easy availability (c) high compressibility (d) low density

10. Gases are liquified under
(a) high pressure, high temperature (b) high pressure, low temperature (c) low pressure, high temperature (d) low pressure, low termperature

11. Which of the following processes does not convert a liquid into vapours?
(a) Boiling (b) Heating (c) Evaporation (d) Condensation

12. On converting 25°C, 38°C and 66°C to Kelvin scale the correct sequence of temperature will be
(a) 298 K. 311 K and 339 K (b) 298 K, 300 K and 338 K (c) 273 K, 278 K and 543 K (d) 298 K, 310 K and 338 K