

ASSIGNMENT NO. 1

1. When we make tea/coffee/ lemonade particles of one type of matter diffuse into particles of other. Why?
2. Solution of CuSO_4 remains coloured even after large number of dilutions. Why?
3. What is the effect of temperature on kinetic energy?
4. Why can't we cut a stream of water with fingers easily?
5. What are the fourth and fifth states of matter?
6. K.E of molecules is directly proportional to
a)temperature b)pressure c)both a and b d)atmospheric pressure.
7. Which of the sets of phenomena would increase on raising the temp.

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.
8. Why does the level of water not change when salt is dissolved in water?
9. Define latent heat of vapourisation and latent heat of fusion.
10. Name a gas which can be solidified.

