

Distinguish, differentiate, compare and explain what is the difference between Imbibition and Diffusion. Comparison and Differences.

## **Difference between Imbibition and Diffusion**

1. Imbibition involves the absorption of solvent or water by a solid substance (adsorption occurs). Diffusion is the movement of all types of substances from the area of their higher free energy to the area of their lower free energy.
2. Imbibition produces heat. Diffusion does not produce heat.
3. Imbibition can develop a very high pressure (upto 100 atm) called imbibition pressure. Diffusion cannot develop a high pressure.

Steady Run