Chemistry homework:

Question 1

State of matter:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Solid | Liquid | Gas |
| Arrangement | Regular arrangement | Random arrangement | Random arrangement |
| Movement | Vibrate about fixed position | Moving around each other | Moving fast in all directions |
| Separation of particles | Very Close | Close | far |
| Closeness of particles | Very close | Close | Far apart |
| Shape | Fixed | Changes | changes |
| Mass | Fixed | Fixed | Fixed |
| Volume | Fixed | Fixed | change |

solid

gas

liquid

Question 2:

Boiling is turning a liquid to a vapor when it is heated to its boiling point. The boiling point is making the temperature 100C, that turns liquid into solid.

**Evaporation** is turning liquid into gas. When water is heated, it **evaporates**. The particles move so quickly and vibrate and become water vapor.