**STATES OF MATTER**

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| **Property** | **Solid** | **Liquid** | **Gas** |
| Volume | definite | definite | Fills whole container |
| Shape | definite | Shape of container | Shape of whole container |
| Density | high | medium | Low |
| Ease to flow | Does not flow unless powered | Flows easily | Flows easily |
| Expansion or heating | Low | medium | High |
| Compression | Very low | low | high |

|  |  |  |
| --- | --- | --- |
| **State** | **Arrangement of particles** | **Movement of particles** |
| Solid | Particles closely packed together | Only vibrations |
| Liquid | Particles close together but not regularly arranged | Particles have some movement |
| Gas | Particles widely spaced | Particles moving rapidly in all directions |