**PROPERTIES OF SOLIDS, LIQUIDS AND GASES**

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| --- | --- | --- | --- |
| PROP | SOLID | LIQUID | GAS |
| Definite shape | yes | no | No |
| Definite volume | Yes  | yes | no |
| Compression | Not easy | Not easy | Easy |
| Expansion | A little | Yes (it flows) | Yes |
| Mechanical prop | HardnessFragilityTenacityElasticityPlasticity | Mix easilyViscosityDissolving capacity | Diffusion when mixing with other substances |
| Molecules | joined | separated | Very separated |
| Movement of molecules | vibrations | Short and slow movements | Long and fast movements |

CHANGES OF STATE: Depend on energy (heat : absorbed or released) and pressure