Properties of Solids, Liquids, and Gases

|  |  |  |  |
| --- | --- | --- | --- |
| Property | Solids | Liquids | Gases |
| Compressibility |  |  |  |
| Shape |  |  |  |
| Fluidity |  |  |  |
| Density |  |  |  |

Particle Model of Solids, Liquids, and Gases

|  |  |  |
| --- | --- | --- |
| Solids | Liquids | Gases |
|  |  |  |

The particles are touching

The particles are touching

The particles are very spread out

The particles are joined together strongly – you cannot put your hand through

The particles are not joined together strongly – you can put your hand through

The particles are not joined together – you can easily move through them

The particles are weakly joined together and so can be easily moved through.

The particles are vibrating on the spot

The particles are moving they roll about each other

The particles are moving quickly – colliding with each other and spreading out to fill the available space.

The substance cannot be poured

The substance can be poured

The substance can be poured

The substance does not take the shape of its container

The substance takes the shape of its container

The substance doesn’t have a shape

