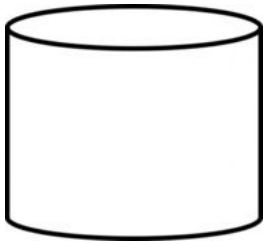
Particle Movement

- Do NOT move fast
- Held _____ in place
- Vibrate in place

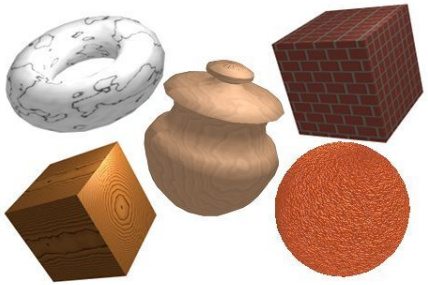


Definition

A solid has a _____ shape and volume.

* This means that _____ _____ _____.

Examples



Definition

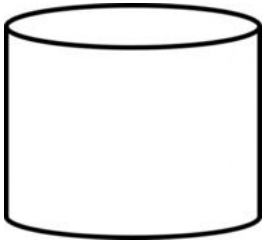
A liquid takes the _____ of its container and has a definite volume.

* This means that _____ _____ _____.

Examples

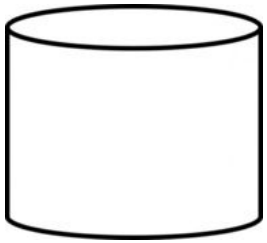
Particle Movement

- Moves _____
- _____ past each other



Particle Movement

- Moves _____ fast!
- Moves independently of each other (they move all over the place!)



Definition

A gas _____ in both shape and volume.

* This means that _____ _____ _____.

Examples

Definition

A **plasma** has _____ definite shape and volume. It consists of positively charged ions and electrons.

* This means that _____ _____ _____.

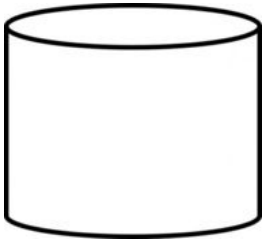
Examples

Lightning

Fire

Particle Movement

- Particles have _____ apart



Liquid

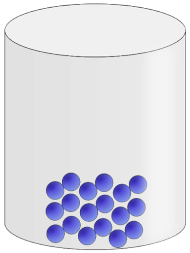
Solid

Plasma

Gas

Particle Movement

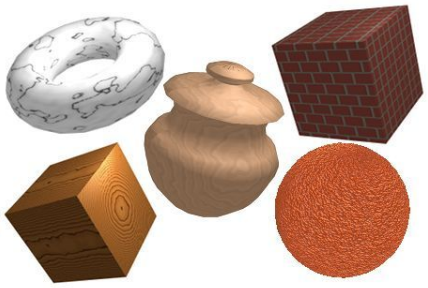
- Do NOT move fast
- Held **tightly** in place
- Vibrate in place



Definition

A solid has a **definite** shape and volume.
* This means that **the shape does not change**.

Examples



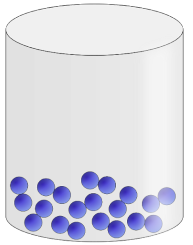
Definition

A liquid takes the **shape** of its container and has a definite volume.
* This means that **the amount of space it takes up is the same, but the the shape can change**.

Examples

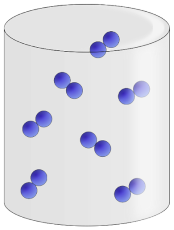
Particle Movement

- Moves **fast**
- **Slide** past each other



Particle Movement

- Moves **very** fast!
- Moves independently of each other (they move all over the place!)



Definition

A gas **varies** in both shape and volume.
* This means that **its shape and volume can change. It spreads out**.

Examples

Definition

A **plasma** has **no** definite shape and volume. It consists of positively charged ions and electrons.
* This means that **it is made up of wandering protons and electrons**.

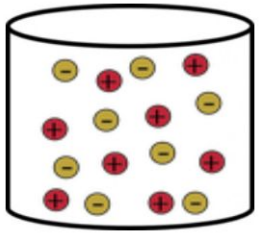
Examples

Lightning

Fire

Particle Movement

- Particles have **broken** apart



Liquid

Solid

Plasma

Gas