

# States of Matter

## Solid



## Liquid



## Gas



These cards have the pictures of the states of matter in the bottom corner - the second set does not.

## States of Matter

Matter is anything that has mass and takes up space. We identify matter in one of three states: solid, liquid, or gas. Using water as an example, we can see it in the three states. Water in the solid state is ice. Water in the liquid state is found in lakes and oceans. Water in a gaseous state is usually suspended in the air and invisible to the eye (most of the time) - we usually identify the gaseous vapor as steam.

**Can you identify the three states of matter?**

## Liquid



Liquid is matter that has a definite volume but no definite shape. Liquid fills the shape of the container it is in.

The particles of matter are close together and are free to move.

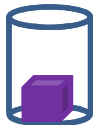
## Gas



Gas is matter that does not have a definite shape or definite volume. Gas fills all the space of the container.

The particles of matter are far apart from each other and have complete freedom to move.

## Solid



Solid is matter that has a definite shape and a definite volume. A solid keeps its own shape.

The particles of matter are very close together in a fixed position.

These cards do not have the pictures of the states of matter in the bottom corner - the first set does.

### **States of Matter**

Matter is anything that has mass and takes up space. We identify matter in one of three states: solid, liquid, or gas. Using water as an example, we can see it in the three states. Water in the solid state is ice. Water in the liquid state is found in lakes and oceans. Water in a gaseous state is usually suspended in the air and invisible to the eye (most of the time) - we usually identify the gaseous vapor as steam.

**Can you identify the three states of matter?**

### **Liquid**

Liquid is matter that has a definite volume but no definite shape. Liquid fills the shape of the container it is in.

The particles of matter are close together and are free to move.

### **Gas**

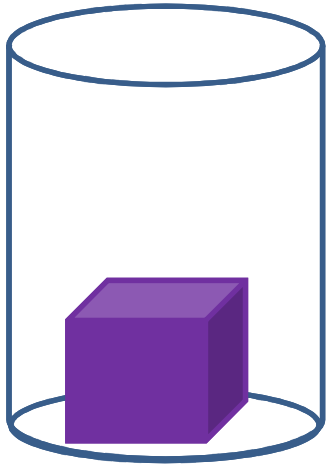
Gas is matter that does not have a definite shape or definite volume. Gas fills all the space of the container.

The particles of matter are far apart from each other and have complete freedom to move.

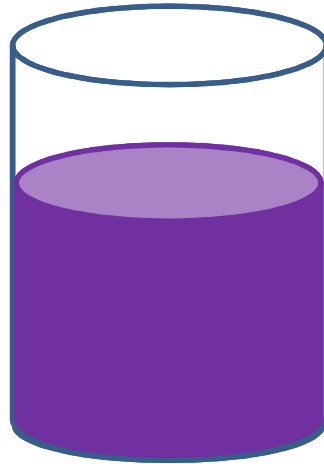
### **Solid**

Solid is matter that has a definite shape and a definite volume. A solid keeps its own shape.

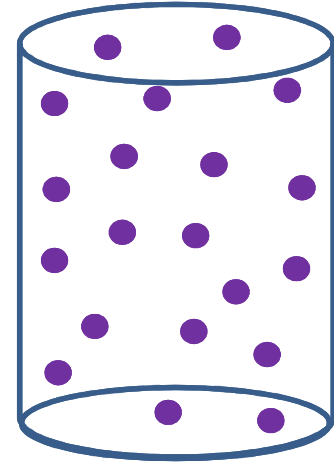
The particles of matter are very close together in a fixed position.



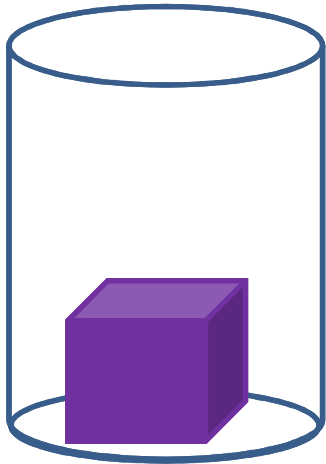
solid



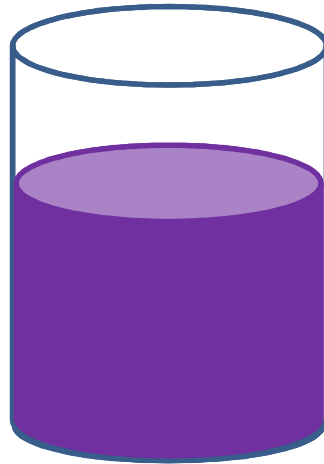
liquid



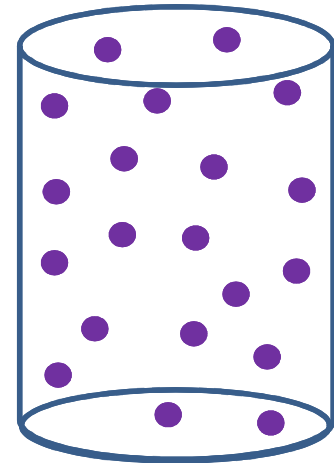
gas



solid

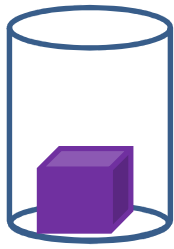


liquid

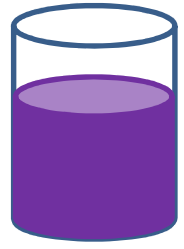


gas

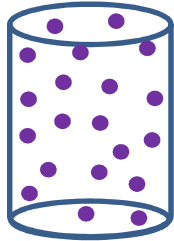
Solid



Liquid



Gas



Solid

Liquid

Gas

Solid Sorting Cards - either cut label off, or leave attached.



ice



wood



play dough



chair



brick



butter



car



apple

Liquid Sorting Cards - either cut label off, or leave attached.



rain



water



paint



syrup



milk



oil



ketchup



hand soap

Gas Sorting Cards - either cut label off, or leave attached.



steam



clouds



inside balloons



fire extinguisher spray



aerosol



wind turbine



hot air balloon



volcanic cloud



Gas Sorting Cards - either cut label off, or leave attached.



steam



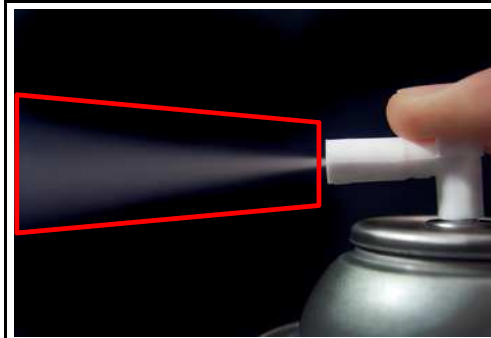
clouds



inside balloons



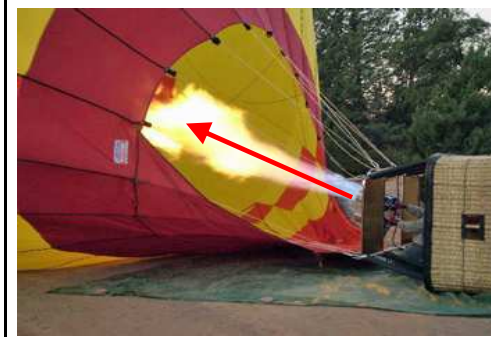
fire extinguisher spray



aerosol



wind turbine



hot air balloon



volcanic cloud