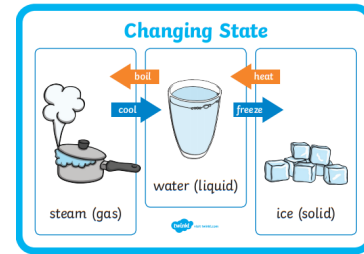


Science

Matter



- ◇ Everything around us is made from tiny building blocks we cannot see.
- ◇ The tiny building blocks from which the world around us is made are called atoms.
- ◇ Scientists use special tools to look at atoms.
- ◇ Solids have a definite shape.
- ◇ Some solids change into a liquid when they are heated.
- ◇ The atoms in a solid are tightly packed.
- ◇ Liquids can be poured.
- ◇ The shape of a liquid depends on the container it is being held in.
- ◇ Atoms in a liquid are close together but can move around.
- ◇ Gases cannot be held in our hands or poured.
- ◇ When water is heated it becomes a gas.
- ◇ The atoms in gas can move around freely.

- ◇ We use measurements to find out how much of something we have.
- ◇ We measure small amounts of solids using grams.
- ◇ We measure small amounts of liquids using millilitres.

Substances	Atoms and Molecules
Solid - A substance or object that is firm and stable in shape.	
Liquid - A substance that flows freely but is constant volume.	
Gas - An air-like fluid, which expands freely to fill any space available, irrespective of its quantity.	

Key words:

Atoms—the smallest particles of a chemical element that can be used.

Solid—A substance or object that is firm and stable in shape.

Liquid—A substance that flows freely but is of constant volumes.

Gas—An air-like fluid, which expands freely to fill any spaces available.

Magnify—To make something appear larger than it is, especially with a lens or microscope. This helps scientists see things we cannot see with our own eyes.

Bonds—A special force that keeps atoms together.

Expand—When something becomes bigger.

Substances	Measurement	How we write it
Solid	Grams and Kilo-grams	g or kg
Liquid	Millilitres and Litres	ml or l