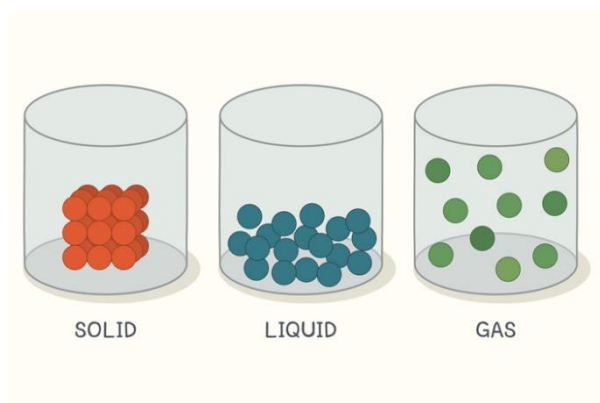


Autumn 1

Science

Chemistry - Particles in physical and chemical changes



In this unit, we will be learning:

1. How do particles in solids, liquids and gases behave?
2. What do particles in pure substances and mixtures look like?
3. What happens to particles during dissolving?
4. How can mixtures be separated?
5. How can we tell a chemical reaction has taken place?
6. What happens to particles during burning?

Subject Specific Vocabulary

solid	Solids have a fixed shape and fixed volume, which means they don't move to fill a container when they're placed in it.
liquid	A material whose particles have gaps between them and moderate energy. A liquid takes the shape of the container it is in.
gas	Gases do not have a shape, they completely fill any container they are put into.
solvent	A substance that breaks down or dissolves another substance
solute	A solute is a substance that will dissolve into a liquid.
solution	A solution is a mixture of two or more substances that stays evenly mixed
chemical reaction	A chemical reaction is when two or more substances (called the reactants) are combined to create a new substance (called the product).