

Atoms

An **atom** is the smallest part of an element that can exist.

Every element is made up of *one* type of atom.

All the atoms of an element are the same as each other.

The atoms of one element are different to the atoms of all other elements.

Quick question

State what an atom is.

The properties of atoms

One atom on its own does not have the properties of the element.

The properties of an element are the properties of very many atoms joined together.

Gold is an element. It is yellow and shiny. A single gold atom is not yellow and shiny. When many gold atoms are joined together, these atoms make the gold yellow and shiny.

Quick question

Are the properties of a gold atom the same as the gold element?