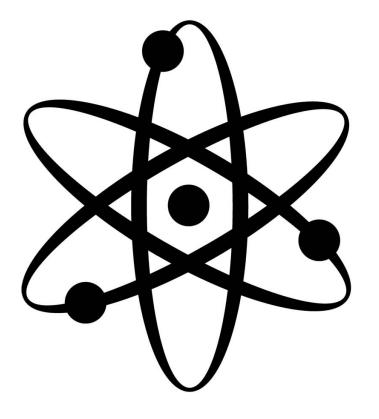
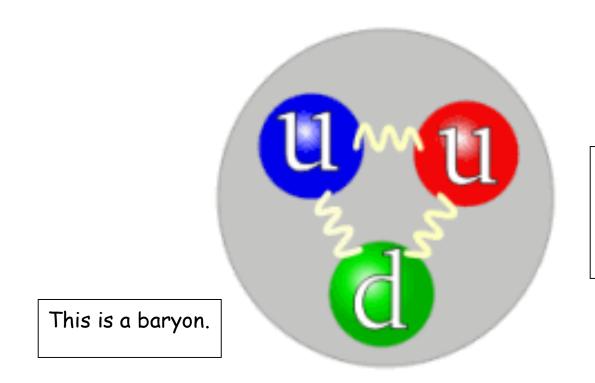
What Am I?



By Jordanna Svenhard

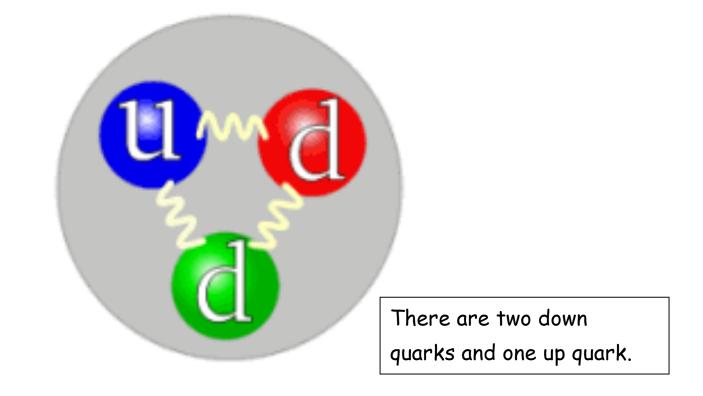
I have protons.



There are two up quarks and one down quark.

They have a positive electric charge.

I usually have neutrons.



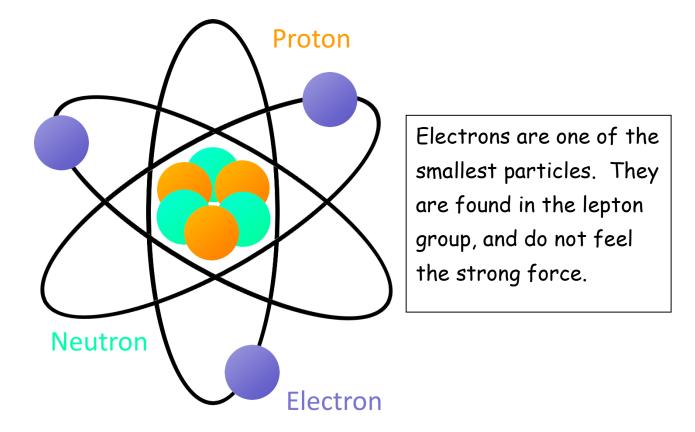
They have no electric charge.

I am held together by a strong force.



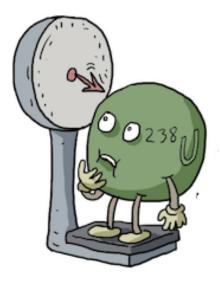
The carrier of the force is a gluon, and it binds quarks together.

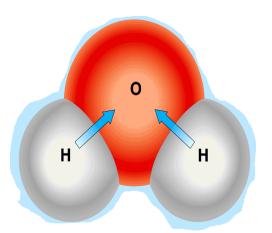
I am surrounded by electrons.



Electrons have a negative electric charge.

I make up most of the mass of an atom.



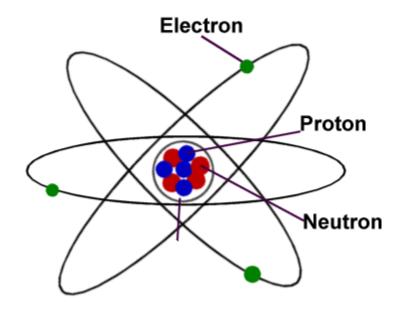


An element cannot be separated into simpler substances.

An atom has all the chemical properties

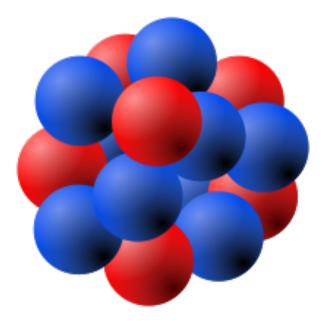
of an element.

I am the smallest and central part of the atom.



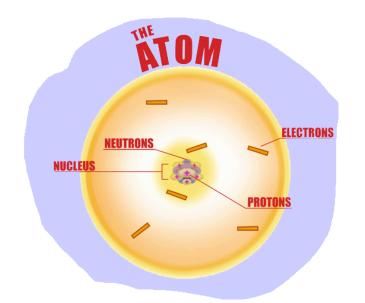
Do you know what I am?

I am the nucleus!



Do you know how big I am?

I am very small, but I am needed to make up all matter.



A nucleus has different numbers of protons and neutrons. This number makes up different types of atoms.

To find out more about atoms, we need to look at the Periodic Table of Elements.

