Introduction to atoms and atomic theory

When we learned about KMT, we had talked about "particles" that make up all matter. These particles are called **atoms** (and also molecules). How do we know what the **atom** looks like and what it is made of?

Our understanding of the atom has come from the work of many men and women in different countries. The chart on back of this page mentions some of their most important discoveries. As early as 2,500 years ago, Greek thinkers (Democritus and Leucippus) proposed that all matter was made of tiny particles that cannot be divided further. They called these "atomos". Almost 2,000 years later, other scientists were able to add more information to our understanding of the atom.

See chart on back \rightarrow

What are atoms and what are they made of?

Today, we know that an **atom** is the smallest particle of an element that still has the identity and properties of the element. (We will talk about elements soon!)

Atoms are made up of ______ (particles that are smaller than atoms).

Three subatomic particles make up all atoms.

Parts of the atom:



