

### Democritus (300 B.C)

Known as *The Laughing Philosopher*

Atoms are **indivisible, indestructible, in motion & differs in shapes and sizes**

Contributed to the **solid sphere ball model**

### The History of the Atom

### John Dalton (Early 1800)

Atoms can't be **destroyed, subdivided** or **created**

Atoms of the same element have **identical properties**;  
Other atoms from different elements contain **different properties**

During chemical reactions, atoms can be **rearranged, separated** or **created**

Atoms are combined in **simple whole number ratios**

### Empedocles (500 B.C)

All matter is made up of **water, earth, air & fire**



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