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History Of The  
Atom Model

# History Of The Atom Model

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## **Bohr model - Wikipedia**

HISTORY OF THE ATOM  
1856 -1940 Joseph John  
Thompson In 1904,  
Thompson develops  
the idea that an atom  
was made up of  
electrons scattered  
unevenly within an

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elastic sphere surrounded by a soup of positive charge to balance the electron's charge It is called the plums pudding model. He was awarded a Nobel Prize in 1906 for discovering the Electron.

## **A brief history of Atoms - NB2S Home**

Once students have recorded their initial idea of the atom I begin to explain the

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history of the atom. I go through the history of the atom starting with Democritus and ending with the Quantum Mechanical model. I do this by presenting a PowerPoint while students fill in information on their notes graphic organizer.

**A Brief History of  
Atomic Theory -  
thoughtco.com**

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The History of the  
Atom. Timeline: 400 BC  
Scientist: Democritus  
(Greek Philosopher)  
Democritus was a  
Greek philosopher who  
was the first person to  
use the term atom  
(atomos: meaning  
indivisible).

## **Models of the Atom Timeline**

Typical textbook model  
of an atom. Look in an  
intro, non-science  
majors textbook and

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you will probably see a picture like this of the atom. This model has some good ideas in it, but overall it has some problems. The key (and not incorrect points) of this model are: The atom is made of protons, neutrons and electrons.

## **Your Turn: Candy Model? - The History of the Atom**

The planetary model of the atom had two



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significant shortcomings. The first is that, unlike planets orbiting a sun, electrons are charged particles. An accelerating electric charge is known to emit electromagnetic waves according to the Larmor formula in classical electromagnetism .

## **History Of The Atom Model**

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Despite all this, Bohr's is probably still the model of the atom you're most familiar with, since it's often the one first introduced during high school or secondary school chemistry courses. It still has its uses too; it's quite handy for explaining chemical bonding and the reactivity of some groups of elements at a simple level.

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## **History of the Atomic Model timeline | Timetoast timelines**

John Dalton introduced a new form of the ancient Greek idea of atoms at the beginning of the nineteenth century. In 1897, J.J. Thomson discovered the electron and suggested the 'plum pudding' model of the atom. In 1911, Rutherford suggested that electrons orbit the

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atomic nucleus like planets round the Sun.

## **Atomic theory - Wikipedia**

It starts with Democritus and Leucippus, the first philosophers to discuss atoms. Then John Dalton did experiments on atomic theory. J.J. Thompson proposed the plum pudding model of the atom when...

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## **The History of the Atom**

His atomic model was known as the “raisin bun model”... He was the first scientist to show that the atom was made of even smaller things.

## **The History of the Atom - Theories and Models - Compound**

...

History of the atomic model. Aristotle.

Aristotle was a Greek

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philosopher and polymath, a student of Plato and teacher...  
Democritus.

Democritus was an Ancient Greek philosopher. John Dalton. John Dalton was an English chemist, meteorologist and physicist. J.J Thomson. Sir Joseph John "J. J." ...

## **History of the Atom**

In 1913, Niels Bohr proposed the Bohr

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model, which states that electrons only orbit the nucleus at specific distances from the nucleus. According to his model, electrons couldn't spiral into the nucleus but could make quantum leaps between energy levels.

## **Atomic theory**

### **Timeline -**

### **Softschools.com**

The quest for the atom has been a long one, beginning 2,400 years

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ago with the work of a Greek philosopher and later continued by a Quaker and a few Nobel Prize-winning scientists. Theresa Doud...

## **The Evolution of the Atom Model | Sutori**

In atomic physics, the Rutherford-Bohr model or Bohr model, presented by Niels Bohr and Ernest Rutherford in 1913, is a system consisting of a



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small, dense nucleus surrounded by orbiting electrons—similar to the structure of the Solar System, but with attraction provided by electrostatic forces in place of gravity.

## **The development of the atomic model | WIRED**

The Evolution of the Atom Model 400 B.C.  
Democritus, 400 BC :  
His atomic theory was one of the first - it

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claimed that everything was composed of atoms, atoms are indestructible, between atoms there is empty space, atoms are always in motion, and that there is an infinite number of atoms. He theorized the existence of atoms.

**The Atomic Model**  
YOUR TURN: CANDY  
MODEL? DIRECTIONS:  
Each of the models

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represented on this website has a matching "candy model" (see list and pictures of candies below). So... Can you figure out which "candy model" best represents Democritus' model of the atom? Can you figure out which "candy model" best represents Dalton's model of the atom?

**Ninth grade Lesson**

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## **History of the Atom | BetterLesson**

Atomic theory is the scientific theory of the nature of matter. The theory states that matter is made up of small particles called atoms. Prior to this theory, matter was thought to be able to be divided into any small quantity. The word atom is derived from the Greek *atomos*, meaning indivisible.

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## **PowerPoint - Models of the Atom - A Historical Perspective**

The Rutherford model of the atom was devised by New Zealander Ernest Rutherford (1871-1937). In 1894, Rutherford was awarded a scholarship to study at Trinity College, Cambridge, with famed physicist J. J. Thomson.

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## **History of the Atomic Model**

Democritus was the first scientist to create a model of the atom. He was the first one to discover that all matter is made up of invisible particles called atoms. He created the name "atom" from the Greek word "atomos", which means uncuttable. He also discovered that atoms are solid, indestructible, and unique. His model was

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just a round solid ball.