

## Atomic Theory Webquest Part 1

### History of the Discovery of the Atom

Name \_\_\_\_\_

In this activity you will follow the progression through time of how scientists used experimental evidence to refine our collective understanding of matter's essential building block: the atom.

#### Stage 1: "Discovering" the Atom: Democritus and Dalton

Use the following two links to read and learn about Democritus. Use the information in these links or other resources of your choosing to answer the questions below.

Link 1: [http://www.abcte.org/files/previews/chemistry/s1\\_p1.html](http://www.abcte.org/files/previews/chemistry/s1_p1.html)

Link 2: <https://www.sutori.com/en/story/democritus--XoJ4P9eA4pMfMxpjxjeESZcis>

Crash Course: <https://www.youtube.com/watch?v=thnDxFdkzZs>

1. Why was Democritus considered a philosopher and not a scientist?
2. When did Democritus develop his atomic theory?
3. What did the word "atom" originally mean in Greek? How did this relate to Democritus' atomic theory?
4. What are two ways in which Democritus' atomic theory differs from our understanding of atoms today? You may need to read more and come back to this question.

*The next character in the atomic drama is John Dalton. Use these two links to learn more about Dalton.*

Link 3: <https://www.differencebetween.com/difference-between-democritus-and-dalton-atomic-theory/>

Link 4: [http://www.abcte.org/files/previews/chemistry/s1\\_p2.html](http://www.abcte.org/files/previews/chemistry/s1_p2.html)

5. When did Dalton develop his atomic theory?
6. How much time passed between Democritus and Dalton?

# History Of Atomic Theory Webquest Answers

**Charles Daubeny**



## History Of Atomic Theory Webquest Answers:

From Atomos to Atom Andreas Gerardus Maria van Melsen,1960      *An Introduction to the Atomic Theory* Charles Daubeny,1851      **The Progress of Atomic Theory** Albert Cushing Crehore,1926      The Development of the Atomic Theory Andrew Norman Meldrum,2012-01 Unlike some other reproductions of classic texts 1 We have not used OCR Optical Character Recognition as this leads to bad quality books with introduced typos 2 In books where there are images such as portraits maps sketches etc We have endeavoured to keep the quality of these images so they represent accurately the original artefact Although occasionally there may be certain imperfections with these old texts we feel they deserve to be made available for future generations to enjoy      John Dalton and the Atom Frank Greenaway,1966      Atomic Theory ,1927

**Foundations of the Atomic Theory** Dalton,1893      *Memoir of John Dalton* Robert Angus Smith,1856      **A New View of the Origin of Dalton's Atomic Theory** Roscoe,1896      **Atomic Theories** F.H. Loring,2014-05-09 Summarising the most novel facts and theories which were coming into prominence at the time particularly those which had not yet been incorporated into standard textbooks this important work was first published in 1921 The subjects treated cover a wide range of research that was being conducted into the atom and include Quantum Theory the Bohr Theory the Sommerfield extension of Bohr s work the Octet Theory and Isotopes as well as Ionisation Potentials and Solar Phenomena Because much of the material of Atomic Theories lies on the boundary between experimentally verified fact and speculative theory it indicates in a unique way how the future of physics was perceived at the time of writing It thus throws into stark relief not only the immense advances made since the 1920s but also perhaps highlights the importance of not rigidly adhering to a particular program of future discoveries      **A New View of the Origin of Dalton's Atomic Theory** Henry Enfield Roscoe,Arthur Harden,1896      **An Introduction to the Atomic Theory** Charles Daubeny,1850      A New View of the Origin of Dalton's Atomic Theory: A Contribution to Chemical History (1896) Henry Enfield Roscoe,Arthur Harden,2008-06 This scarce antiquarian book is a facsimile reprint of the original Due to its age it may contain imperfections such as marks notations marginalia and flawed pages Because we believe this work is culturally important we have made it available as part of our commitment for protecting preserving and promoting the world s literature in affordable high quality modern editions that are true to the original work      **Atomic Theory** Arthur Erich Haas,1927      A New View of the Origin of Dalton's Atomic Theory Henry Enfield Roscoe,Arthur Harden,2015-08-22 This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it This work was reproduced from the original artifact and remains as true to the original work as possible Therefore you will see the original copyright references library stamps as most of these works have been housed in our most important libraries around the world and other notations in the work This work is in the public domain in the United States of America and possibly other nations Within the United States you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work As a

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**The Development of the Atomic Theory** Andrew Norman Meldrum,1910

Foundations of the atomic theory ,1911      *The Atomic Theory* Adolphe Wurtz,1881      The Evolution of the Atomic Theory David P. Mellor,1971

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