

Directions: Watch the video or go to your text book pages pages 47-74.

<http://www.youtube.com/watch?v=thnDxFdkzZs>

Crash course chemistry on the history of the atom

Answer the following questions

1. What does the word atom mean?
2. What did Thompson find with his cathode ray tube? What were its properties?
3. Draw Thompsons model.
4. What did Rutherford find with his gold foil experiment?
5. Did Rutherford's experiment prove his hypothesis?
6. Draw Bohr's model
7. How did Heisenberg change Bohr's model?
8. Define orbital.

Aim: History of the Atom.

The development of atomic theory came out of many scientists discoveries over a long period of time. Major contributors to the theory are listed below.

Name and time period	Ideas	Diagram
Democritis (460 BC – 370BC) Theory approx 430 BC		
Dalton (1766-1844) Theory approx 1800		
J.J. Thompson (1856-1940)		
Rutherford (1871-1937) Theory 1911		
Bohr (1885-1962) Theory 1913		
Wave Mechanical Model Electron Cloud Model Modern Model		