Part 2:

How has our knowledge of the structure of the atom developed?

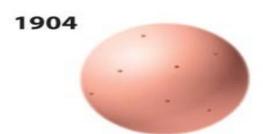


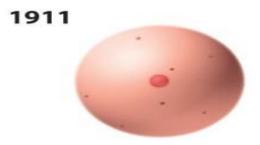
- Around 460 B.C. a Greek philosopher, Democritus proposed the following idea, materials could continue to be divided until you reach a point where they can longer be divided
- He called these basic matter particles atoms

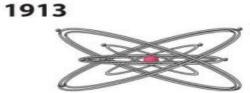
Researching the main stages of development

- For each stage you need to find out:
- 1. The Scientists involved
- 2. A Summary of theory/development ¹⁸⁰³









Y12 Chemistry research task

The development of Scientific Theories:

The Periodic table

The Atom

This project is to be completed over the summer holidays and handed in during your first Chemistry lesson in September.

Part 1: The Periodic table

In this part of your research you are going to summarise the main areas of development of the Periodic Table

Use the checklist to ensure you have included everything you need.

It is up to you how you present the information as long as it is all there.

Your project must contain:

A picture of Newland's periodic table	
A picture of Mendeleev's periodic table	
How did they decide what went were?	
Why is the periodic table called a periodic table?	
What was wrong with the early periodic tables?	
How did Mendeleev solve some of the problems found in Newland's table?	
How is the periodic table arranged now?	
How many electrons do elements in group 1 have in their outer shell?	
What is group 1 called?	
Properties of group 1 metals	
Trends seen in group 1	
What is group 7 called?	
Properties of group 7	
Trends in group 7	
Where are the transition metals on the periodic table?	
Properties of transition metals	
Differences between group 1 metals and transition metals.	