

Topic:

Atomic Theory

Notes OutlineName _____
Date _____ Period _____**Learning Goal:**Describe how atomic theory developed.
Describe the modern model of the atom.**Vocabulary:**energy level
isotope
mass number**Questions:**

- Describe each Scientist's model and how was developed and changed over time.

Dalton

Thompson

Rutherford



Bohr

Chadwick

Show what happened in Rutherford gold foil experiment. Why was this experiment an important finding in terms of atomic structure?

- Describe the modern model of an atom
- List the 3 atomic particles and their charges

Subatomic Particle	Charge
1.	
2.	
3.	

- Model how electrons are randomly organized in an atom
- What makes two isotopes of the same element different?
- What makes them the same?

All atoms of the same element must have the same number of _____.

Summary: Use evidence from the text to explain why the atomic theory changed. (Answer in complete sentences 20-30 words - should include vocabulary, main ideas and show you understand the learning goals.)**Topic:**

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