

The Unit Organizer

4 BIGGER PICTURE

NAME

Rachel Belser

DATE

7/20/22

Chemistry is the study of all matter from large to small

2 LAST UNIT /Experience	1 CURRENT UNIT	3 NEXT UNIT /Experience
Matter-Properties + Changes	The Structure of the Atom	Electrons in Atoms

8 UNIT SCHEDULE

- 1 Introduce unit using UO
- 2 Watch video - Development of the Atomic theory
- 3 Complete the UO device Atomic theory section together
- 4 Vocabulary development activity
- 5 Complete the UO device Subatomic particles section together
- 6 Balancing nuclear equations practice
- 7 Cardium Lab
- 8 Review using UO
- 9 Unit test

5 UNIT MAP

is about...

atoms, subatomic particles, their properties, and how they were discovered + applications like isotopes + nuclear equations

Discoveries

Development of the Atomic theory

parts

Subatomic particles

Applications

such as

isotopes + mass number

Nuclear equations

UNIT SELF-TEST QUESTIONS	1 Be able to match each subatomic particle with the scientist who discovered it.	6 UNIT RELATIONSHIPS
	2 Given a set of nuclear equations, balance each.	
	3 Determine the number of protons, neutrons, and electrons in a given set of elements.	
	4 Describe the structure of a typical atom. Identify where each subatomic particle is located.	
5 Compare the relative charge and mass of each subatomic particle.		
6 Explain using examples how the development of the atomic theory illustrates the following: "New ideas in science are limited by the context in which they are conceived, are often rejected by the scientific establishment, sometimes spring from unexpected findings, and usually grow slowly from many contributors."		

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The Structure of the Atom

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9 Expanded Unit Map

