

# **Grade 12 Chemistry**

SCH4U

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# Chapter 1

## Unit 1

### 1.1 Lecture 1: Introduction to Quantum Mechanics

#### 1.1.1 Gold Foil Experiment:

- \* Atom is mostly empty space with a very dense, positively charged nucleus.
- \* Electrons rotate around the nucleus like planets around the Sun.
- ! At the same time, Thomson Model believes that atoms have only electrons

Every element has unique spectrum.

#### 1.1.2 Niels Bohr

Review in the slide

#### 1.1.3 Photoelectric Effect

Cannot be taken on latex note