

3.2: Models of Electron Behavior

Scientists observed the ways in which light interacted with matter and proposed models to try to explain this behavior. Much of this behavior was very unexpected and sometimes appeared to defy logic. There were many intense arguments among the scientists about which models were correct and how to interpret their meaning. Some of these arguments are still unresolved. Creating these models required a lot of detailed math which we will not get into in this textbook. However, we will provide a brief overview of some of the highlights of these models within this section. In the following sections, we will show how these models predict electron behavior and thereby the chemical bonding behaviors of atoms.

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