CH-107 Homework Assignment

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What I have learn form this week's lectures:

This week's material was very easy to understand and grasp the key concepts. The particle in a box concept involved very simple mathematics and each step made sense. The example of particle in a box (Quantum Dots) was very intresting topic to learn about. The following are the list of things which I learnt from this week's lectures:

- 1) Boundary conditions leads to **quantisation** of energy.
- 2) x , y , z coordinates are mutually independent which makes **Separation of Variable** possible.
- 3) Symmetry and Degeneracy go hand in hand.
- 4) This very simple model of "particle in a box" finds **application** in Chemistry.

What I find difficult to grasp in this week's lectures:

This week's material was straightforward and easy to understand. The usage of high-level, yet easy to understand mathematics was a little overwhelming in the start but after practicing on my own everything has become clear.