

Video to watch – introduction to lecture 03

To watch before lecture 03

This gives you a first introduction to the quantum model of the atom (which can be difficult to grasp). While it is important to understand where it comes from, you will not be asked about the theory of the atom models.

<https://youtu.be/-4-TJMhGIX8?feature=shared>

Videos to watch – introduction to lecture 04

To watch before lecture 04 (and maybe also after...)

1. *The periodic table (more for your general culture, but quite interesting)*

<https://youtu.be/ORRVV4Diomq?feature=shared>

2. The bond types

<https://youtu.be/QXT4OVM4vXI?feature=shared>

3. Bonding models and Lewis structures

<https://youtu.be/a8LF7JEb0IA?feature=shared>

4. Orbitals

<https://youtu.be/cPDptc0wUYI?feature=shared>

<https://youtu.be/vHXViZTxLXo?feature=shared>

In general, **@crashcourse Chemistry** has a lot of nice chemistry videos, that explain simple concepts (redox, acid-base, precipitation, etc.)