**CHE1031 Tutorial: Basic atomic structure – a look inside the atom[[1]](#footnote-1)**

**VIDEOS:**

‘Basic atomic structure – a look inside the atom’ from Tyler DeWitt

<https://www.youtube.com/watch?v=h6LPAwAmnCQ&list=PL3hPm0ZdYhywb0pyaNIsXFzIOB3FESr0y>

**Please watch the video and then answer these questions:**

1. DeWitt shows atoms in three physical states: solid, liquid and gas. What’s different in each of the three states?
2. How many atoms would it take to span the thickness (smallest dimension) of a piece of paper?
3. Neutrons aren’t charged, but seem to have an important function. What is it?
4. What does DeWitt use as an analogy for the mass of the electron relative to the mass of protons and neutrons?
5. DeWitt’s model shows electrons traveling around the nucleus in a ring. What’s a more accurate way to think about the way electrons move around the nucleus?
6. If the nucleus were the size of a grape, how far away would the atom’s furthest electrons be?

1. ‘Basic atomic structure – a look inside the atom’ from Tyler DeWitt

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