**CHE1031 Tutorial: What are isotopes?[[1]](#footnote-1)**

**VIDEOS:**

‘What are isotopes?’ from Tyler DeWitt

<https://www.youtube.com/watch?v=EboWeWmh5Pg&list=PL3hPm0ZdYhywb0pyaNIsXFzIOB3FESr0y&index=4>

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

1. What is DeWitt’s surprisingly effective analogy for isotopes?
2. How can you calculate the number of neutrons in an isotope using its atomic number and atomic mass?
3. What number is used as the unique identifier of an isotope of an element?
4. Isotopes are commonly abbreviated by showing the atomic symbol (a letter) with two numbers to its left: one superscripted; and one subscripted.
   1. What does the superscripted number tell you?
   2. What does the subscripted number tell you?

1. ‘What are isotopes?’ from Tyler DeWitt

   <https://www.youtube.com/watch?v=EboWeWmh5Pg&list=PL3hPm0ZdYhywb0pyaNIsXFzIOB3FESr0y&index=4> [↑](#footnote-ref-1)