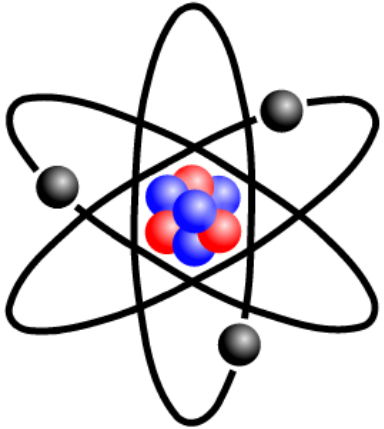
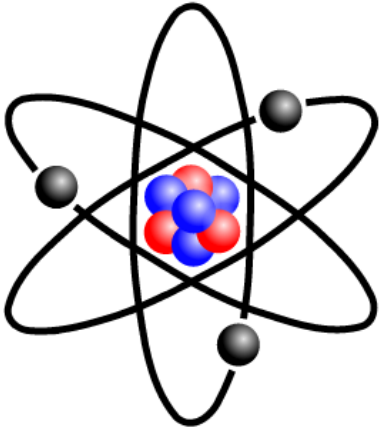




Atom Modeling

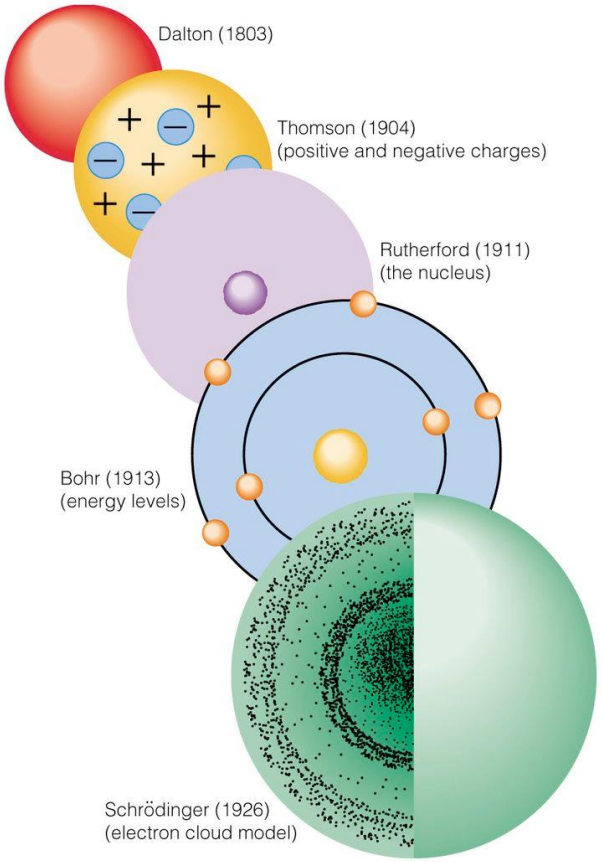
Using abstraction make tiny particles come to life

Atom Modeling Project - Overview

You are going to create atomic models today!

In fact, you will create three different models:

- Digital, using a Build an Atom simulation
- On paper, drawing your results from the simulation
- Physical, using wire and foam beads

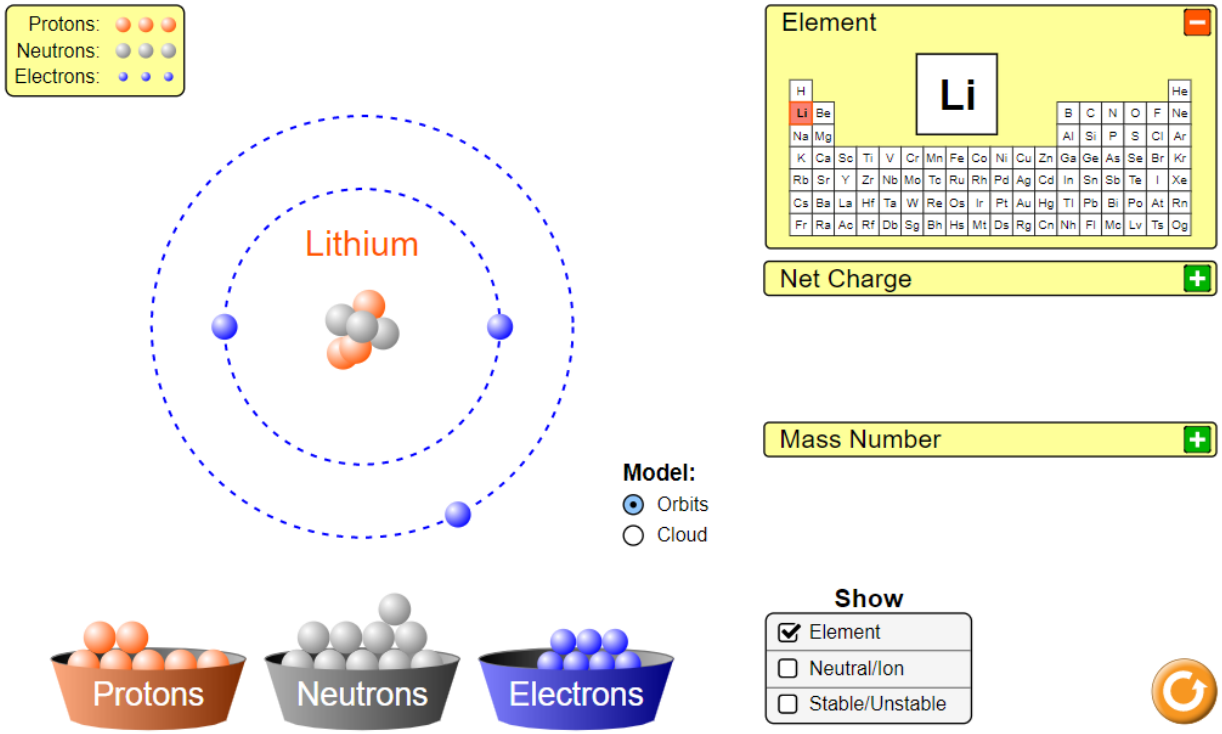


Get into teams and choose your elements

You can choose <u>any five</u> of these nine elements on the periodic table:

- Helium
- Lithium
- Beryllium
- Boron
- Nitrogen
- Oxygen
- Fluorine
- Neon

Demo: Build an Atom simulation



Your turn - create your digital and paper models

Create your first atom of your element by dragging protons, neutrons and electrons onto the model.

Your atom should not be an ion - it should have a neutral charge.

Use the periodic table to help determine how many protons, neutrons and electrons you need

Don’t forget to record your results onto your handout before moving on to a new element