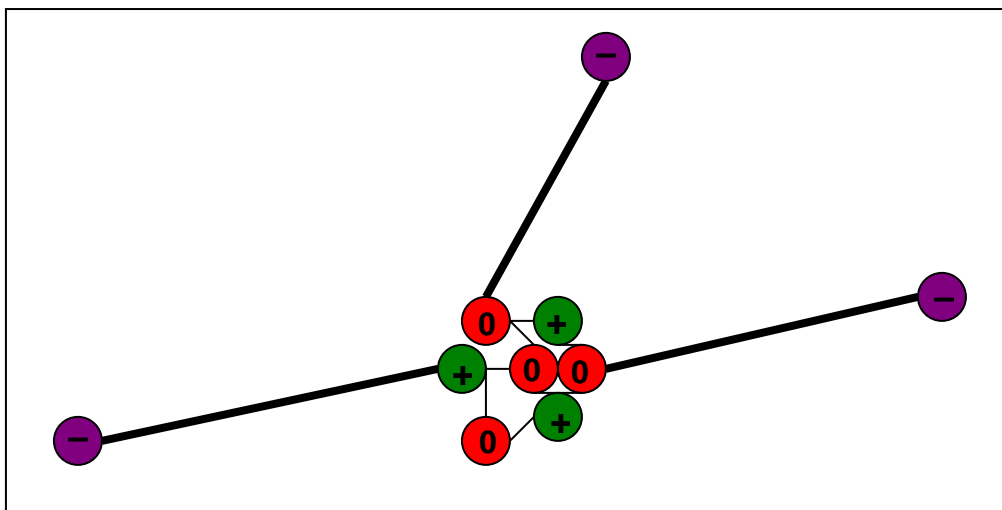


Gumdrop Atoms Activity – Atoms Worksheet

Lithium Atom Building Instructions

1. You should start with 4 red gumdrops, 3 green gumdrops, 3 purple/blue/white gumdrops, a bunch of broken toothpicks, 3 wooden skewers, and 10 sticker dots.
2. Draw a “+” sign on three stickers, a “0” on four stickers, and a “-“ sign on three stickers.
3. Stick the plus stickers to the green gumdrops, the minus stickers to the blue gumdrops, and the zero stickers to the red gumdrops.
4. Combine the plus and zero gumdrops with the broken toothpicks to form the nucleus.
5. Attach the minus gumdrops with the skewers to the nucleus.

Your Lithium Atom should look something like this:



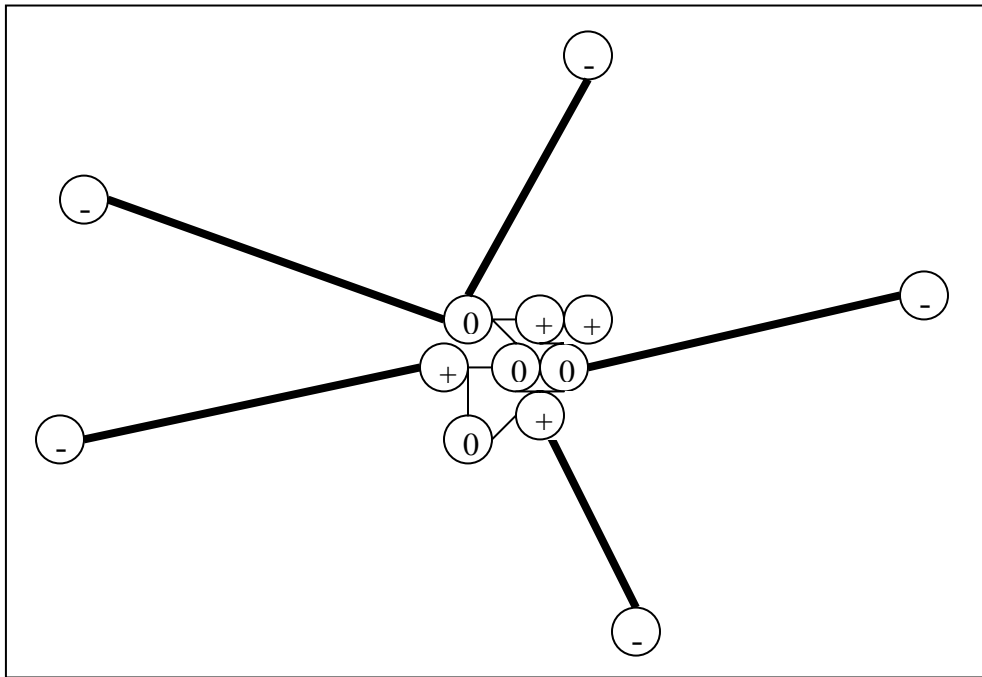
1. What are the three parts of an atom?
 _____, _____ and _____
2. What charge does a proton have? _____
3. What charge does an electron have? _____

Name: _____ Date: _____

4. What charge does a neutron have? _____
5. What charge (positive, negative, neutral) does the complete atom have?

6. If one electron (-) is removed, what charge does the atom have?

7. The atom below is Beryllium. What charge does it have?



8. In the above atom, color the protons pink, the neutrons yellow and the electrons blue.
9. What is one example of how engineers use their knowledge of atoms to create new technologies?
