
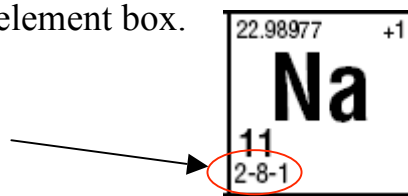


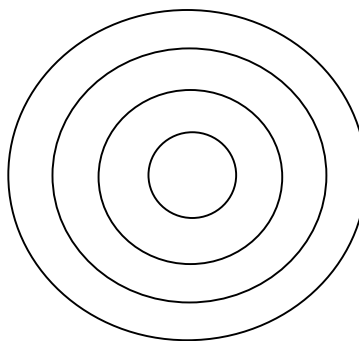


Drawing Bohr Diagrams

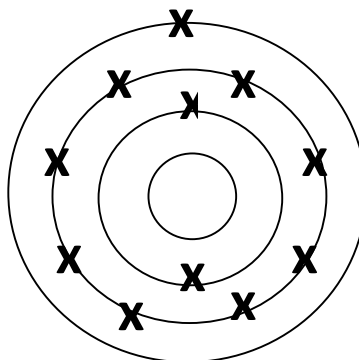
1. The first step for drawing Bohr diagrams is to take out your reference table and turn to the periodic table.
2. Draw a Circle to represent the nucleus. 
3. Locate the element you are drawing and look up the electron configuration located in the bottom of the element box.



4. The electron configuration tells you how many energy levels to draw. For sodium (Na) there are 3 energy levels. Now draw 3 circles (energy levels) around your nucleus.



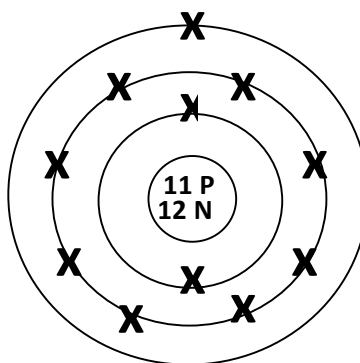
5. The electron configuration also tells us how many electrons to draw in each level. So for sodium (Na) there are 3 energy levels with 2 electrons in the first level, 8 electrons in the second level and 1 electron in the third level.
6. To draw in your electrons you may use circles (O) or X's (X). I like X's because they mark the spot. So for the sodium example let's draw in our electrons.





7. Now add the number of protons and neutrons to the nucleus of your drawing. Again you need to use your periodic table. The number of protons is equal to the atomic number which for sodium is 11. The number of neutrons is equal to the mass number (rounded to the nearest whole number– the number of protons. So for sodium it is 23 minus 11 which is equal 12. Put these numbers into your diagram.

22.98977	+1
Na	
11	
2-8-1	



Bohr Diagram for Sodium