7.4 Drawing Bohr Models

Through a long and complex process, chemists have been able to determine types of that various elements can form. The good news is that you can simply access this information from your
We can illustrate the arrangements of electrons in atoms and ions by drawing a
To do this we need to draw the and the
with
Rather than draw the in the nucleus, we usually summarize the information. You should include: the
, (if you are drawing an ion),
and number of Sometimes the number of neutrons are included also.
Bohr diagrams tell us a lot about the properties of various elements. Remember for our purposes:
1st electron orbital: full with electrons
2 nd electron orbital: full with electrons
3 rd electron orbital: full with electrons (even though it really isn't)
The reactivity of an atom depends on the

electrons or	electrons. The most
stable set up for an ator shell.	n is either a outer
Atoms that are 1 electro	on away from being full or empty are
the reactiv unreactive.	e. Atoms with full outer shells are very
S	e periodic table are based on if an aton ke on electrons, and that is based on
the	-
	s will combine with other atoms based
on their	
The process of transfer	ring electrons is called electron between the two atoms
The process of transfer transfer. This created a called an	ring electrons is called electron between the two atoms consists of two or more atoms that are
The process of transfer transfer. This created a called an	ring electrons is called electron between the two atoms