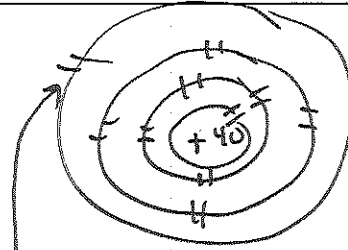


PQ Modeling Atoms Version A

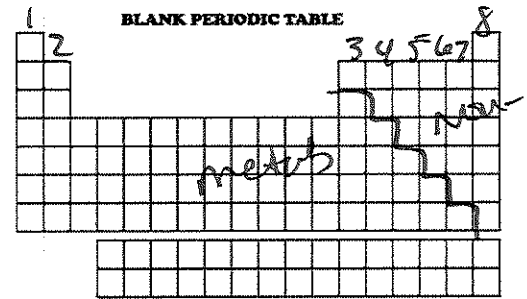
a. Draw a Bohr diagram for the metallic atom of Ca.



b. What is the most common ion for Calcium? $+2$
 (Indicate on your Bohr diagram how the atom changes to an ion.)

lose 2e⁻

c. On the periodic table indicate the following:
 a. Number of valence electrons above each family.
 b. The separations of metals and non-metals.



PQ Modeling Atoms Version B

a. Draw a Bohr diagram for the metallic atom of Cl.

b. What is the most common ion the atom of chlorine?
 (Indicate on your Bohr diagram how the atom changes to an ion.)

c. What is the special name we give the negative ion of chlorine?

d. On the periodic table indicate the following:
 a. the transition elements.
 b. The elements that are very non-reactive
 c. The most reactive non-metal. Put the symbol in its spot.

