

REVIEW

Bohr-Rutherford

1. Put down a nucleus with # of protons and neutrons.
2. Put 2 electrons in the first shell.
3. Put 8 electrons in the next three shells.

Draw Chlorine

Draw Potassium

NEW

Lewis Structures or Electron Dot Diagrams

Electron Dot Diagrams show only the electrons in the outer (VALENCE) shell. Dots are to represent the electrons.

H - has only 1 electron

He – has 2 electrons in the outer shell

Li Be C N O F Ne K Al Na Ca P

Negative ions (ANIONS) – add electrons

oxygen atom

oxygen ion

Positive ions (CATIONS) –electrons are taken away

sodium atom

sodium ion