

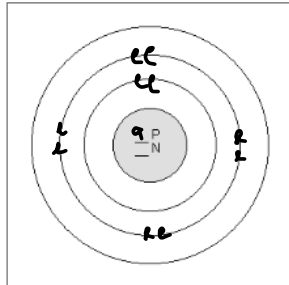
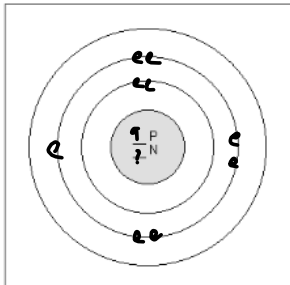
Bohr Atoms/ Common Ions Worksheet

Name \_\_\_\_\_ Hour \_\_\_\_\_

Show symbol, Bohr diagram, Lewis Dot, and Orbital diagram for each atom and common ion for each element listed.

1. Fluorine atom F

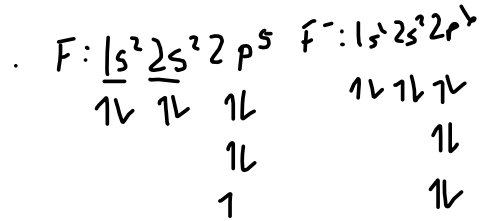
Fluoride ion F<sup>-</sup>



Lewis Dot: ·F·

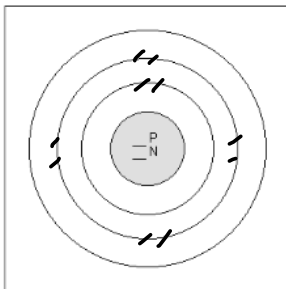
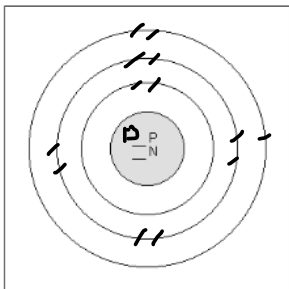
The ion is (Bigger/smaller/similar) in size

e<sup>-</sup> repulsion



2. Aluminum Atom Al

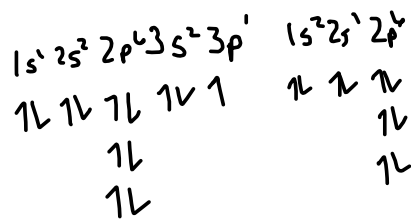
Aluminum Ion Al<sup>3+</sup>



Lewis Dot: Al·     :Al:

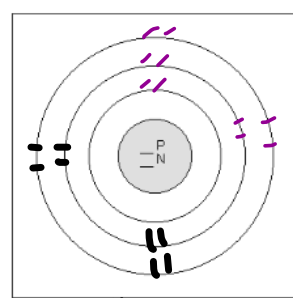
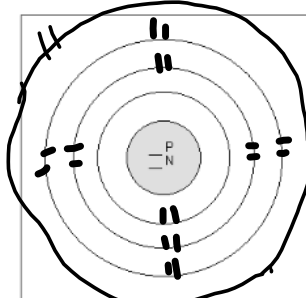
The ion is (Bigger/smaller/similar) in size

lost an e<sup>-</sup> level



3. Calcium atom Ca

Calcium ion Ca<sup>2+</sup>



Ca     :Ca<sup>2+</sup>: ← smaller

