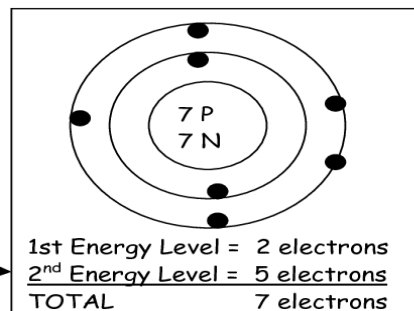
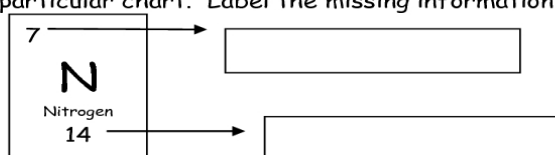


Diagramming Energy Levels - Electron Shell Configurations

Below is a diagram of an atom of Nitrogen found on the 2nd row of the Periodic Table on the back of this worksheet. The chemical symbol for Nitrogen looks like the box below on this particular chart. Label the missing information:



VALANCE ELECTRONS are the number of electrons in the *OUTERMOST electron shell*, the ones available to form BONDS.

*** REMEMBER: The TOTAL number of electrons should match the number of protons in the nucleus so that the atom is electrically _____! ***

DIAGRAM THE FOLLOWING ELEMENTS:

Carbon:	Fluorine:	Magnesium:	Sodium:
1 st : _____	1 st : _____	1 st : _____	1 st : _____
2 nd : _____	2 nd : _____	2 nd : _____	2 nd : _____
3 rd : _____	3 rd : _____	3 rd : _____	3 rd : _____

