6.2

CLASSIFYING THE ELEMENTS

Section Review

Objectives

- Describe the information in a periodic table
- Classify elements based on electron configuration
- Distinguish representative elements and transition metals

Vocabulary

• alkali metals

noble gases

transition metals

- alkaline earth metals
- representative elements
- inner transition metals

halogens

Part A Completion

Use this completion exercise to check your understanding of the concepts and terms that are introduced in this section. Each blank can be completed with a term, short phrase, or number.

The periodic table displays the symbols and $\underline{}$ of	1
the elements along with information about the structures of their	2
2 . The Group 1A elements are called 3 , and the	3
Group 2A elements are called 4 The elements in Groups 1A	4
through 7A are called the 5 The nonmetals of Group 7A	5
are <u>6</u> , and the <u>7</u> make up Group 8A. Between Groups	6
2A and 3A, there are 8 in periods 4 through 7 and 9	7
in periods 6 and 7.	8
The atoms of the noble gas elements have their highest occupie	d 9.
s and $\underline{}$ sublevels filled. The highest occupied s and p	10
cublevels of the representative elements are 11	11

Part B True-False

Classify each of these statements as always true, AT; sometimes true, ST; or never true, NT.

_____12. Group A elements are representative elements.