

For each item in Column A, write the letter of the matching item in Column B.

Column A

- _____ 18. hydrogen
_____ 19. first period
_____ 20. second period
_____ 21. Group 2 elements
_____ 22. magnesium
_____ 23. oxygen
_____ 24. noble gases
_____ 25. transition elements
_____ 26. metals
_____ 27. nonmetals

Column B

- a. has six valence electrons
b. are very unreactive
c. have unpredictable properties
d. has one more electron than sodium
e. have loosely bound valence electrons
f. has only one electron
g. contains two elements
h. have two valence electrons
i. tend to gain electrons in chemical reactions
j. contains eight elements

Complete the following statements. Use your notes and your text to help.

28. The most active metals located in _____?
29. The most active nonmetals located in _____.
30. As you go left to right across a period, the atomic size (decreases/increases).
31. Elements in group 1 are called the _____.
32. Elements in group 2 are called the _____.
33. Elements in groups 3-12 are called the _____.
34. As you go from left to right across a period, the elements go from (metals/nonmetals) to (metals/nonmetals).
35. Elements in group 17 are called _____.
36. Elements within the same group have the _____ number of valence electrons.
37. The majority of the elements on the periodic table are _____.
38. An element with both metallic and nonmetallic properties are called _____.
39. The reactivity of metals on the periodic table _____ as we move down a group.
40. The reactivity of nonmetals on the periodic table _____ as we move down a group.