

____ 12. The modern periodic table is arranged in order of increasing
a. atomic number.
b. number of neutrons.

____ 13. What information in the periodic table indicates the number of protons in an atom?
a. the element's atomic number
b. the element's atomic mass

____ 14. The elements in a column of the periodic table
a. are in the same family.
b. are in the same period.

____ 15. Where are metals located in the periodic table?
a. to the left of the zigzag line
b. to the right of the zigzag line

____ 16. In the periodic table, the most reactive metals are found
a. in Group 1, the first column on the left.
b. in Period 1, the first row across the top.

____ 17. Where are nonmetals located on the periodic table?
a. to the left of the zigzag line
b. to the right of the zigzag line

____ 18. Sodium metal can react with the nonmetal chlorine to form
a. table salt.
b. a diatomic molecule.

____ 19. What is an ion?
a. an atom that doesn't have neutrons
b. an atom or group of atoms that has become electrically charged

____ 20. An ionic bond is formed when
a. electrons are transferred.
b. electrons are shared.

____ 21. What is the chemical name for the compound with the formula Na_2S ?
a. lithium oxide
b. sodium sulfide

____ 22. A chemical bond that forms when two atoms share electrons is called a(n)
a. ionic bond.
b. covalent bond.

____ 23. What is a double bond?
a. one pair of electrons shared between two atoms
b. two pairs of electrons shared between two atoms