

Quiz #20

Chapter 6.1 and 6.2 reading

Directions: Choose the letter of the BEST answer and mark it onto your scantron sheet.

1. First chemist to publish his periodic table and organized the elements according to their chemical and physical properties:
 - A. Lavoisier
 - B. Newlands
 - C. Mendeleev
 - D. Meyer
 - E. Mosley
2. Scientist who compiled a list of known elements (23 elements) at the time (1790s):
 - A. Lavoisier
 - B. Newlands
 - C. Mendeleev
 - D. Meyer
 - E. Mosley
3. Chemist who organized the elements by increasing atomic mass and noticed that their properties repeated every eighth element:
 - A. Lavoisier
 - B. Newlands
 - C. Mendeleev
 - D. Meyer
 - E. Mosley
4. Chemist who further arranged the periodic table according to each element's atomic number (instead of by atomic mass):
 - A. Lavoisier
 - B. Newlands
 - C. Mendeleev
 - D. Meyer
 - E. Mosley
5. The *vertical columns* on the periodic table are called:
 - A. Groups
 - B. Series
 - C. Periods
 - D. Metals
 - E. Non-metals
6. The *horizontal rows* on the periodic table are called:
 - A. Groups
 - B. Series
 - C. Periods

- D. Either B or C above
7. The *f block* on the bottom of the periodic table are referred to as the:
- A. Metals
 - B. Non-metals
 - C. Alkali earth metals
 - D. Transition metals
 - E. Inner transition metals
8. The *second group* on the periodic table is referred to as the:
- A. Metals
 - B. Non-metals
 - C. Alkali earth metals
 - D. Transition metals
 - E. Inner transition metals
9. All of group 1 metals have the same number of:
- A. Valence electrons
 - B. Neutrons
 - C. Protons
 - D. Energy levels
 - E. Electrons
10. Which group on the periodic table would have an outer shell electron configuration of $s^2 p^3$?
- A. 1
 - B. 2
 - C. 13
 - D. 14
 - E. 15