

6) (3 points) The modern Periodic Table is organized from left to right by increasing _____, and;

a) In columns by, elements with the same number of _____

b) In rows by, elements with the same number of _____

7) Mendeleev organized his Periodic Table by increasing _____

8) What is the unit of mass for particles in an atom?

9) The atomic number is equal to the number of _____ in the nucleus.

10) Match the particle with its charge. (1 point each)

_____ Proton a) neutral

_____ Neutron b) positive

_____ Electron c) negative

11) _____ True or False. Electrons have a large mass compared to the nucleus.

12) Why is an atom neutral?

13) Most of the mass of an atom is in the _____.

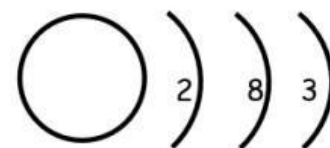
14) What does the atomic mass tell us about the number of protons and neutrons in an atom?

15) (2 points) If an element has 6 **energy levels** and 2 **valence electrons** it is in:

a) Family _____

b) Period _____

16) Look at this Bohr Model, which only has the electrons for a certain element. Based on this information this element would be in: (3 Points)



a) Family _____

b) Period _____

c) The name of the element is _____