

QUIZ #1 Bohr Models and the Periodic Table

- 1) Mendeleev organized his Periodic Table by increasing _____
- a) (3 points) The modern Periodic Table is organized from left to right by increasing _____, and;
In rows by, elements with the same number of _____
In columns by, elements with the same number of _____
- 2) What is the unit of mass for particles in an atom?
- 3) The atomic number is equal to the number of _____ in the nucleus.
- 4) Match the particle with its charge. (1 point each)
- | | |
|----------------|-------------|
| _____ Proton | a) negative |
| _____ Neutron | b) positive |
| _____ Electron | c) neutral |
- 5) _____ True or False. Electrons have a large mass compared to the nucleus.
- 6) Most of the mass of an atom is in the _____.
- 7) Why is an atom neutral?
- 8) What does the atomic mass tell us about the number of protons and neutrons in an atom?
- 9) (2 points) If an element has 5 **energy levels** and 3 **valence electrons** it is in:
- a) Family _____
- b) Period _____
- 10) 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 _____

