

Name _____

Period _____

Chemistry
Review Questions on Atomic Structure

- 1) What did J. J. Thomson contribute to our understanding of the atom?
- 2) What did Ernest Rutherford contribute to our understanding of the atom?
- 3) What did John Dalton contribute to our understanding of the atom?
- 4) What did James Chadwick contribute to our understanding of the atom?
- 5) What did Robert Millikan contribute to our understanding of the atom?
- 6) What is the atomic mass number of an atom?
- 7) What particles are in the nucleus?
- 8) What are the particles that are not in the nucleus?
- 9) How big is the nucleus compared to the overall size of an atom?

10)How much of the mass of an atom is in the nucleus?

11)What is an ion?

12)What is an isotope?

13)How can you determine the number of protons in an atom?

14)How can you determine the number of electrons in an atom?

15)How can you determine the number of neutrons in an atom?

16)How can you determine the number of electrons in an ion?

17)Pick one of the scientists we discussed in this unit and describe how their experiments illustrate the scientific method.