History of the Atom – Worksheet/Review sheet **Name:** _____

1. State 2 similarities between Democratis and Dalton's model of the atom.
   1) _____
   2) _____

2. State the most important difference between Dalton and Democratus' model of the atom and Thompson's model of the atom.
   _____

3. What instrument did Thompson use in the making of his model of the atom? _____

4. What did Thompson call the "cathode particles" he observed? _____

5. What charge did these "cathode particles" possess? _____

6. Make a diagram of Thompon's model of the atom. Identify the parts.

7. When two objects of the same charge are brought close together what occurs? _____

8. When two objects of different charge are brought close together what occurs? _____

9. When a charged object is brought towards a neutral object what occurs? _____

10. What does the electrostatic series tell us about different substances? _____
    _____

11. If acetate and cotton are rubbed together which object becomes positive and which becomes negative?___
    _____

12. What part of the atom did Rutherford discover?_____

13. What charge does the nucleus have? _____

14. What are these particles called? _____

15. What other particle is found in the nucleus? _____

16. What similarity is there between Thompson and Rutherford's model of the atom? _____
    _____

17. In Bohr's model of the atom where are the electrons found? _____

18. How many energy levels are there? _____

19. How is the number of electrons in each shell calculated? What is the formula? _____

20. Make a diagram of the Bohr Rutherford model of the atom.