Chemistry Review List for Exam. Exam will be on June 3rd and 4th. Assume that both hours will be needed for this exam.

You will need to be able to do the following

1. Put molecules together from elements and ions

2. Know which compounds are soluble in water and which are not

3. Know how to draw Lewis structures, do shorthand orbital notation and electron configuration.

4. Write out and balance chemical equations

5. Write out and balance chemical equations using half reactions

6. Calculate moles and masses of reactants and products in a chemical reaction

7. Calculate % by mass and Molarity of a solution

8. Calculate the endpoint in an acid/base reaction

9. Know how electricity is produced in a chemical reaction

10. Be able to calculate the amount of heat released or absorbed in a chemical reaction

11. Know how to write out a net ionic equation

12. Be able to calculate the amount of gas released in a chemical reaction using PV=nRT