Unit 3 AP Chemistry Study guide

\*\*Write at least 1 page on the information below.

1. Now what significant digits are, what they are for and how to use them
2. Know what Gravimetric analysis is and how to use it.
3. Bea able to identify an ion in a compound if you are given the appropriate data.
4. Know what Re-Dox reactions are and how to identify all of the parts of a Re-Dox reaction.
5. Know what the 2 different Acid base theories are and the difference between the 2.
6. Know what Conjugate pairs are and be able to identify them.
7. Know what acid and base strength is based on.
8. Know how to determine the direction of an acid base reaction based on a given table.
9. Know how to estimate the approximate pH of a mixture of an acid and a base when you are given the volumes and Molarities. Be able to calculate the pH as well.
10. Be able to answer the 4 Constructed response questions that were given. 2 of these will be on the test.
11. Know what the dissociation of water is, what Kw is and how it is calculated.