1. **Review again the box titled: <u>Tips for Genetic Problems</u>** *(at the end of **Ch.14**).*

2. Then, complete the Test Your Understanding problems **#1 through #10**, **#12**, and **#14** on separate sheets of paper **(as with all study guides, write in dark pen so your scan is easy to read)**.

   - In Appendix A of your textbook, you will find the solutions to each problem - *except #14* - so you can check your final answers **<u>*after*</u>** you are done giving each one a serious attempt.

     - Do **<u>not</u>** jump to the answer before really trying to figure out the answer yourself by reviewing again the relevant section of your textbook if necessary, or you will only short-change your own learning.

3. You must **<u>SHOW ALL YOUR WORK!</u>** Only showing the final answer (or parts of all the steps taken) to arrive at your final answer will **<u>not</u>** earn you credit for this assignment - your job is to **<u>SHOW and EXPLAIN HOW</u>** you too arrived at every final answer.

   - **You must <u>NEATLY</u> and in an <u>ORGANIZED</u> manner, showcase/explain <u>EVERY STEP</u> you take to solve each problem.**

     (1) **Write each new major step in a solution on a <u>new</u> line so that your thoughts and actions can be traced down the page vertically and in a logical manner.** Don't scribble random calculations or genotypes all over the place.

     (2) **You answers should clearly showcase to the reader every logical step you took, every Punnett Square you used, and every calculation completed in neat and legible handwriting.**

     (3) **Leave a few blank lines <u>between</u> every subpart of the same problem and between every new problem.**

     (4) **When you draw a Punnet Square, draw it <u>large</u> enough so you have enough space for all the gametes' genotypes and your offspring's genotypes.**

     (5) **Use correct allele notation. Don't forget, if a gene is <u>SEX</u>-linked, place it as a superscript on the <u>X or Y</u>.**

     (6) **<u>Remember, always figure out and list the parents genotypes first before you start showing which gametes or offspring they can make</u>** *(even if the problem doesn't ask for you to do so directly)***!**