Biology 211 Chapter 14

REVIEW:
1. Diagram the cell cycle, labeling the G1, G2, S and M phases. Describe checkpoints that occur in each phase.

2. Briefly describe the different processes in Meiosis—Meiosis I and Meiosis II.
   a. 

3. What is the difference during Metaphase I and Metaphase II of Meiosis?
   a. Metaphase I: 
   b. Metaphase II: 

KEY CONCEPTS:
1. One parent is homozygous dominant for two traits: round and yellow seeds. The other parent is homozygous recessive for those two traits: round and yellow seeds. Create a dihybrid cross for the F2 Generation of the true breeding parents.
   a. 

   a. Law of Segregation: 
   b. Law of Independent Assortment: 

3. Define each of the following terms: complete dominance, incomplete dominance, codominance.
   a. Complete dominance: 
   b. Incomplete dominance: 
   c. Codominance: 

4. Why is incomplete dominance not blending inheritance?
   a. 

5. ____________ is when individual genes affect more than one phenotypic character. What is an example of this?