

Name: _____ Hour: _____

Unit 5 Learning Targets

Cellular Reproduction

Chapter 9 (176 - 203)

1. Explain why cell division is essential for life and describe the types of cell division that occur in nature.
2. Compare and contrast asexual and sexual reproduction and how the processes impact diversity within a population.
3. Describe the structure of a chromosome.
4. List the stages of *the cell cycle* and explain what happens during each stage.
5. List the phases of *mitosis* and explain what happens during each phase.
6. Describe how cell division occurs in cancer cells and why this is dangerous
7. Understand how cancer is treated.
8. List the phases of *meiosis* and explain what happens during each phase.
9. Explain the relationship between homologous chromosomes and how chromosome numbers change during mitosis and meiosis.
10. Describe how meiosis occurs in the human body and how this process increases the genetic variation among offspring. (crossing over)

Date of Test _____ Points Earned _____ Points Possible _____

Re-Take Date _____ Points Earned _____ Points Possible _____
(if applicable)