Unit 5 - Cellular Reproduction (Ch 9 pages 242-259 & 10.1 Meiosis 268-276)

- Explain why cells are small.
- Identify what limits cell size.
- Recognize and summarize the stages of the cell cycle (Interphase, Mitosis, Cytokinesis).
- Identify the structures involved in the cell cycle.
- Explain how the cell divides its nucleus in Mitosis.
- Differentiate between plant and animal cell Cytokinesis.
- Understand the results of mitosis and the cell cycle.
- Identify the number of chromosomes in daughter cells as a result of mitosis.
- Explain how the cell cycle is regulated.
- Describe cancer and how it relates to the cell cycle.
- Explain apoptosis.
- Summarize stem cells and their importance.
- Recognize and summarize the stages of meiosis and the structures involved.
- Explain how meiosis provides genetic variation.
- Understand the results of meiosis and the chromosome number in each new cell.
- Recognize and summarize the stages of meiosis.
- Summarize the results of meiosis.
- Compare and contrast mitosis and meiosis.
- Explain why cell division is important.