

Student Learning Outcomes

At the completion of this exercise students should be able to:

1. Explain the terms: cell continuity & chromosomes
2. Define the terms: haploid & diploid number
3. Define sister chromatids and homologous chromosomes
4. Know and understand the cell cycle
5. Describe the phases of cell division: prophase, metaphase, anaphase, telophase, and cytokinesis
6. Define the term: mitosis
7. Define cancer and state causes
8. Using microscope images, identify the appearance of chromosomes and other cell structures during the phases of mitosis
9. Define the term: meiosis
10. State the functions of meiosis.