

Mitosis Objectives:

Define these key terms:

mitosis asexual reproduction chromatin chromosome diploid centrioles
centromere poles spindle fibers equatorial plate interphase prophase metaphase
anaphase telophase cytokinesis somatic cells

- Differentiate between asexual and sexual patterns of reproduction.
- Identify the major structures involved in animal and plant reproduction.
- Describe the stages of cell division.
- Distinguish between the two major forms of cell division.
- Recognize that the process of mitosis occurs in non-sex cells.
- Explain how the characteristics of organisms are maintained through the process of mitosis.
- List three significant results during the process of mitosis.
- Explain what happens in interphase.
- Explain the stages of mitosis.
- Identify two reasons why mitosis is necessary for humans to survive.
- Memorize the sequenced events for mitotic division.
- State 2 differences that occur in plant cell mitosis not found in animal cell mitosis.
- Determine the disadvantage for uncontrolled cell division.