

Cell Cycle

Mitosis / DNA Duplication

Vocabulary: Mitosis

Mitosis
Interphase
Prophase
Metaphase
Anaphase
Telophase
Cytokinesis
Chromosome
Chromatid
Centromere

Vocabulary: DNA Duplication

Adenine
Thymine
Cytosine
Guanine
DNA

Guiding Questions

- 1) What happens during interphase?
- 2) What are the four steps to mitosis?
- 3) What happens in the cell during prophase?
- 4) What happens in the cell during Metaphase?
- 5) What happens in the cell during Anaphase?
- 6) What happens in the cell during Telophase?
- 7) What is cytokinesis? When does it begin? How is cytokinesis different in plant cells than animal cells?
- 8) Which nucleic acid joins to adenine?
- 9) Which nucleic acid joins to cytosine?