



PARTICULARS

Sub-Total, Agency Specific Budget
PS
MOOE
CO

II
Automatic Appropriations
RUP

Total, Automatic Appropriations
PS
MOOE
CO

III
Special Purpose
MPBF-PS
PGF-PS (Pension Benefits)

Sub-Total, Specific Purpose Fund
PS
MOOE
CO

GRAND TOTAL
PS
MOOE
CO

Chapter 15

Section 15.1: The Cell Cycle

1. The cell cycle is the process by which a cell grows and divides to produce two daughter cells.

2. The cell cycle consists of interphase and mitosis.

3. Interphase is the longest phase of the cell cycle.

4. During interphase, the cell grows and replicates its DNA. It consists of three main stages: G₁, S, and G₂.

5. G₁ is the first stage of interphase.

6. S is the second stage of interphase, where DNA replication occurs.

7. G₂ is the final stage of interphase.

8. Mitosis is the process of cell division.

9. Mitosis consists of four stages: prophase, metaphase, anaphase, and telophase.

10. Cytokinesis is the final stage of cell division.

11. The cell cycle is regulated by checkpoints.

12. The cell cycle is controlled by a complex system of proteins called cyclins and cyclin-dependent kinases (CDKs).

13. The cell cycle is essential for growth and repair.

