

Chapter 9 Test Study Guide: Cell Reproduction

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Format: MCQ, Labeling, Short Answers, Matching

Chapter 9 Section 1: Cell Size

[Notes Link](#)

[Powerpoint Link](#)

[Surface Area To Volume Notes](#)

Vocabulary: [Quizlet](#)

- ☐ Cell Size: smaller cells are more efficient than large ones.
- ☐ Surface Area: measurement of the outer surface of an object
- ☐ Volume: amount of space an object takes up
- ☐ Surface area to volume ratio: ratio of cell's outside area to internal volume.
- ☐ Cell Division: process by which a cell divides into 2 new daughter cells
- ☐ Binary Fission: a form of asexual reproduction in which one cell divides into 2. (prokaryotic cells)
- ☐ Cell Cycle: sequence of events in which a cell grows, prepares for division, and divides to form 2 daughter cells.
- ☐ Daughter Cells: cells that are produced as a result of mitosis, are identical, and original to parent cell.
- ☐ Parent Cell: original cell before division.
- ☐ Mitosis: when the cell nucleus divides in somatic cells.
- ☐ Somatic Cells: body cells
- ☐ Meiosis: cell division that results in cells with half of the chromosomes; in reproductive cells.
- ☐ Interphase: Cell grows, performs its normal functions, and prepares for division; consists of G1, S, and G2 phases.
- ☐ Gap 1 Phase: stage of interphase in which cell grows and performs its normal functions
- ☐ Synthesis Phase: DNA replication.

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