

Section 10-1 Cell Growth

Key Concept: What problems does growth cause for cells?

I. Limits to cell growth

1. Why do cells divide rather than continue to grow indefinitely?

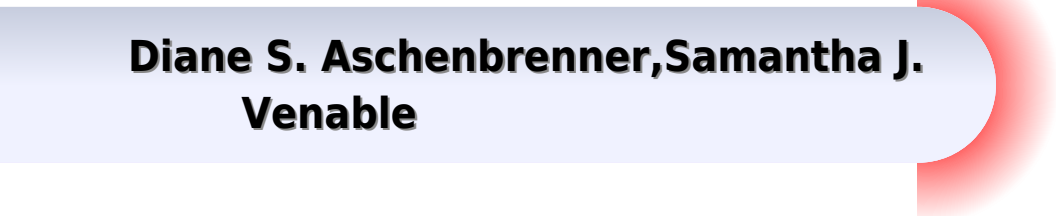
- a. The larger the cell is the more demands are placed on the cell's DNA
- b. Its more difficult to move enough nutrients and wastes across the cell membrane

2. "DNA Overload":

- a. DNA controls cell function ; found in nucleus of eukaryotes
- b. DNA meets the needs of the cell when the cell is small, however as the cell increases in size, the DNA cannot meet its needs anymore → "Information crisis"

Section 10 1 Cell Growth Answer Key

**Diane S. Aschenbrenner, Samantha J.
Venable**



Section 10 1 Cell Growth Answer Key:

Biology Kenneth Raymond Miller, Nancy Montgomery, Joseph S. Levine, 2008 A Truly NCERT Biology K.K. Mishra,

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Section 10 1 Cell Growth Answer Key :

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