

Cell Division

Name _____

Date _____ Hour _____

Read pp. 70-71 in "Cells: Building Blocks of Life". (Stop at "Phase 1")

Questions to answer:

1. How do living things grow?

2. What is the main factor that limits cell growth?

3. How does the process of cell division ensure that daughter cells will be identical to the parent cell?

4. In the science fiction movie, "The Blob," a giant cell terrorizes a community, eating many of its residents. What basic fact about cells did the movie-makers disregard?

5. Is mitosis occurring in your body at this moment? If so, where? Explain your answer.

6. What is the name for the process in which chromosomes are copied during cell division?

Draw each stage of cell division below, and provide a brief description.

PICTURE	DESCRIPTION
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PHASE 1 (INTERPHASE)

PHASE 2 (PROPHASE)

PHASE 3 (METAPHASE)

PHASE 4 (ANAPHASE)

PHASE 5 (TELOPHASE)

PHASE 6 (CYTOKINESIS)