

Chap 12: Cell cycle and Mitosis

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What is the main purpose of cell division?

Why are different terms used to describe the same DNA?

What process leads to the creation of the sister chromatids?

How are somatic cells different from gametic cells?

Describe what is happening in the stages of Interphase. ...in the stages of Mitosis.

Why is G₀ special?

What is S phase so important?

What is the difference between centromere and centrosome?

What is the purpose of the kinetochore?

Know the order and processes of the stage/substages of the cell cycle.

What is different about animal cell division vs plant cell division?

How is prokaryotic DNA different than eukaryotic DNA?

What are cytoplasmic signals?

List 2 cytoplasmic signals used in the cell cycle.

Explain the process of the cell cycle clock.

How do CDK, Cyclin and MPF work together?

Describe the kinds of inhibition.