

Natural Sciences

Biology Chapter

10

Author: Michael Sag

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4. Chapter: Biology Chapter 10

1. Biology Chapter 10 Questions

4.1.1. Chromatin condenses into chromosomes during which phase of mitosis?

Author: Michael Sag

Chromatin condenses into chromosomes during which phase of mitosis?

Please choose only one answer:

- Interphase
- Mitosis
- Prophase

Check the answer of this question online at QuizOver.com:

Question: [Chromatin condenses into chromosomes during Michael Sag Chapter 1](#)

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<http://www.quizover.com/flashcards/question-chromatin-condenses-into-chromosomes-during-michael-sag-chapt?pdf=1505>

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4.1.2. Collectively, the time spent in G1 + S + G2 is called . _____

Author: Michael Sag

Collectively, the time spent in G1 + S + G2 is called . _____

Please choose only one answer:

- Prophase
- Interphase
- Mitosis
- Cell Cycle

Check the answer of this question online at QuizOver.com:

Question: [Collectively the time spent in G1 S G2 is Michael Sag Chapter 10](#)

Flashcards:

<http://www.quizover.com/flashcards/question-collectively-the-time-spent-in-g1-s-g2-is-michael-sag-chapter?pdf=1505>

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4.1.3. Which of the following is a correct statement about the events of t...

Author: Michael Sag

Which of the following is a correct statement about the events of the cell cycle?

Please choose only one answer:

- Telophase is part of the M phase, or mitosis
- Nothing happens during the G1 and G2 phases
- DNA replicates during cytokinesis (your response)
- DNA replicates during cytokinesis (your response)

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is a correct statement Michael Chapter 10](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-is-a-correct-statement-michael-chapter?pdf=1505>

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4.1.4. As a result of mitosis, each of the two new cells produced from the...

Author: Michael Sag

As a result of mitosis, each of the two new cells produced from the original cell during cytokinesis

Please choose only one answer:

- receives a few chromosomes from the original cell.
- receives an exact copy of all the chromosomes present in the original cell. (correct answer, your response)
- donates a chromosome to the original cell.
- receives exactly half the chromosomes from the original cell.

Check the answer of this question online at QuizOver.com:

Question: [As a result of mitosis each of the two new Michael Sag Chapter 10](#)

Flashcards:

<http://www.quizover.com/flashcards/question-as-a-result-of-mitosis-each-of-the-two-new-michael-sag-chapte?pdf=1505>

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4.1.5. Which of the following happens when a cell divides?

Author: Michael Sag

Which of the following happens when a cell divides?

Please choose only one answer:

- Each daughter cell receives its own copy of the parent cell's DNA (correct answer, your response)
- The cell's volume increases
- It becomes more difficult for the cell to get rid of wastes
- It becomes more difficult for the cell to get enough oxygen and nutrients

Check the answer of this question online at QuizOver.com:

Question: [Which of the following happens when a cell Michael Sag Chapter 10](#)

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4.1.6. Which event occurs during interphase?

Author: Michael Sag

Which event occurs during interphase?

Please choose only one answer:

- Which event occurs during interphase?
- The cytoplasm divides
- Spindle fibers begin to form
- Centromeres divide

Check the answer of this question online at QuizOver.com:

Question: [Which event occurs during interphase Michael Sag Chapter 10 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-event-occurs-during-interphase-michael-sag-chapter-10-q?pdf=1505>

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4.1.7. At the equator during metaphase of mitosis, there are:

Author: Michael Sag

At the equator during metaphase of mitosis, there are:

Please choose only one answer:

- single chromosomes
- duplicated chromosomes
- G1-stage chromosomes
- always 23 chromosomes

Check the answer of this question online at QuizOver.com:

Question: [At the equator during metaphase of mitosis Michael Sag Chapter 10](#)

Flashcards:

<http://www.quizover.com/flashcards/question-at-the-equator-during-metaphase-of-mitosis-michael-sag-chapte?pdf=1505>

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4.1.8. Microtubules that extend from the poles of a cell to the centromere...

Author: Michael Sag

Microtubules that extend from the poles of a cell to the centromeres during cell division are called ._____

Please choose only one answer:

- Spindle Fibers
- Anaphase
- Centromeres
- Cytoplasm

Check the answer of this question online at QuizOver.com:

Question: [Microtubules that extend from the poles of Michael Sag Chapter 10](#)

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4.1.9. When cancer occurs,

Author: Michael Sag

When cancer occurs,

Please choose only one answer:

- control of the cell cycle is impaired
- apoptosis has occurred
- the cells can no longer enter the cell cycle
- all of these are correct

Check the answer of this question online at QuizOver.com:

Question: [When cancer occurs Michael Sag Chapter 10 Quest](#)

Flashcards:

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4.1.10. During normal mitotic cell division, a parent cell that has 4 chrom...

Author: Michael Sag

During normal mitotic cell division, a parent cell that has 4 chromosomes will produce 2 daughter cells, each containing

Please choose only one answer:

- 4 Chromosomes
- 2 Chromosomes
- 8 Chromosomes
- 16 Chromosomes

Check the answer of this question online at QuizOver.com:

Question: [During normal mitotic cell division a parent Michael Sag Chapter](#)

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<http://www.quizover.com/flashcards/question-during-normal-mitotic-cell-division-a-parent-michael-sag-chap?pdf=1505>

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4.1.11. The chromosome of a bacterium

Author: Michael Sag

The chromosome of a bacterium

Please choose only one answer:

- is wrapped around carbohydrates.
- has a circular shape.
- occurs in multiple pairs within the cell.
- is found within the nucleus.

Check the answer of this question online at QuizOver.com:

Question: [The chromosome of a bacterium Michael Sag Chapter 10 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-chromosome-of-a-bacterium-michael-sag-chapter-10-quest?pdf=1505>

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4.1.12. In order to fit within a cell, DNA becomes more compact by

Author: Michael Sag

In order to fit within a cell, DNA becomes more compact by

Please choose only one answer:

- breaking apart into separate genes.
- extending to form very long, thin molecules.
- wrapping tightly around associated proteins called histones.
- being enzymatically changed into a protein.

Check the answer of this question online at QuizOver.com:

Question: [In order to fit within a cell DNA becomes Michael Sag Chapter 10](#)

Flashcards:

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4.1.13. Binary fission

Author: Michael Sag

Binary fission

Please choose only one answer:

- Occurs when two cells collide with eachother
- Produce excess energy
- Creates new species
- Is the Process by which bacteria reproduce

Check the answer of this question online at QuizOver.com:

Question: [Binary fiss Michael Sag Chapter 10 Quest](#)

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4.1.14. A typical human cell contains 46 chromosomes. After mitosis and cyt...

Author: Michael Sag

A typical human cell contains 46 chromosomes. After mitosis and cytokinesis, each of the two new cells formed from the original cell

Please choose only one answer:

- Has 23 Chromosomes
- Grows new chromosomes from existing DNA
- Has a complete set of 46 Chromosomes
- None of the above

Check the answer of this question online at QuizOver.com:

Question: [A typical human cell contains 46 chromosomes Michael Sag Chapter](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-typical-human-cell-contains-46-chromosomes-michael-sag-chap?pdf=1505>

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4.1.15. A protein disk that attaches two chromatids to each other in a chro...

Author: Michael Sag

A protein disk that attaches two chromatids to each other in a chromosome is called a

Please choose only one answer:

- Chloroplast
- Centromere
- Gamete
- Centriole

Check the answer of this question online at QuizOver.com:

Question: [A protein disk that attaches two chromatids Michael Sag Chapter 1](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-protein-disk-that-attaches-two-chromatids-michael-sag-chapt?pdf=1505>

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4.1.16. It is difficult to observe individual chromosomes during interphase...

Author: Michael Sag

It is difficult to observe individual chromosomes during interphase because

Please choose only one answer:

- They are in the form of very long, thin strands
- The DNA has not been replicated by the end of interphase
- they leave the nucleus and are dispersed to other parts of the cell
- The spindle fibers must move them to the center of the cell before they become visible

Check the answer of this question online at QuizOver.com:

Question: [It is difficult to observe individual Michael Sag Chapter 10 Quest](#)

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4.1.17. In some organisms, mitosis occurs without cytokinesis occurring. Thi...

Author: Michael Sag

In some organisms, mitosis occurs without cytokinesis occurring. This will result in:

Please choose only one answer:

- Cell with more than one nucleus
- Cells that are usually small
- Cells lacking Nuclei
- Cell cycles lacking an S phase

Check the answer of this question online at QuizOver.com:

Question: [In some organisms mitosis occurs without Michael Sag Chapter 10 Quest](#)

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4.1.18. Which of the following does NOT occur during mitosis?

Author: Michael Sag

Which of the following does NOT occur during mitosis?

Please choose only one answer:

- Replication of the DNA
- Condensing of the Chromosomes
- Separation of Sister Chromatids
- Spindle fiber to formation

Check the answer of this question online at QuizOver.com:

Question: [Which of the following does NOT occur during Michael Sag Chapter](#)

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4.1.19. The stage of the cell cycle that occupies most of the cell's life is

Author: Michael Sag

The stage of the cell cycle that occupies most of the cell's life is

Please choose only one answer:

- Interphase
- Anapahse
- Prophase
- Metaphase
- Mitosis

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The stage of the cell cycle that occupies Michael Sag Chapter 10](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-stage-of-the-cell-cycle-that-occupies-michael-sag-chapter?pdf=1505>

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4.1.20. Cancer is a disorder in which some cells have lost the ability to c...

Author: Michael Sag

Cancer is a disorder in which some cells have lost the ability to control their

Please choose only one answer:

- Size
- Spindle Fibers
- Rate of Division
- Surface Area

Check the answer of this question online at QuizOver.com:

Question: [Cancer is a disorder in which some cells have Michael Chapter 10](#)

Flashcards:

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4.1.21. The timing in the cell cycle in eukaryotic cells is believed to be ...

Author: Michael Sag

The timing in the cell cycle in eukaryotic cells is believed to be controlled by a group of closely related proteins called

Please choose only one answer:

- Cyclins
- Chromatids
- Centromeres
- Centrioles

Check the answer of this question online at QuizOver.com:

Question: [The timing in the cell cycle in eukaryotic Michael Sag Chapter 10](#)

Flashcards:

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