

# MITOSIS WORKSHEET

Name: \_\_\_\_\_

Mark: \_\_\_\_\_/

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**Answer the following questions in the spaces provided.**

1. What are body cells called? \_\_\_\_\_

2. List four examples of body cells. \_\_\_\_\_

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\_\_\_\_\_

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3. For what three reasons does mitosis occur?

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4. What is the nucleus of a cell often called?

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Why?

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5. What carries the traits of an organism?

\_\_\_\_\_

6. How many chromosomes do humans have? \_\_\_\_\_

7. How does a cell maintain the same number of chromosomes in its daughter cells?

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\_\_\_\_\_

\_\_\_\_\_

8. What are all the stages of mitosis in the order of which they occur?

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\_\_\_\_\_

\_\_\_\_\_

9. Identify the stage of mitosis that each of the following events occur in:

centriole pairs move to opposite ends of the cell \_\_\_\_\_

centromeres divide and each doubled chromosome separates

\_\_\_\_\_

nuclear membrane forms again and the nucleoli reappears \_\_\_\_\_

chromosome set doubles and DNA replicates

\_\_\_\_\_

chromosomes break in half and move apart to opposite poles

\_\_\_\_\_

the cell is active but it is not yet dividing \_\_\_\_\_

centromeres are lined up at the middle of the cell \_\_\_\_\_

the cell divides into two identical daughter cells \_\_\_\_\_

10. How many daughter cells are made during **five** full mitosis processes?

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11. How do the daughter cells compare to the parent cells at the end of mitosis?

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12. Give some examples of where mitosis occurs in humans.

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