

Mitosis and Meiosis

Part I Mitosis

Name _____

Period _____

1. Nearly all organisms begin life as a ...
2. Why do new cells constantly need to be made, even in a baby?
3. Why do cells need to follow certain definite steps when reproducing?
4. Define mitosis.
5. What percent of a cell's life is spent in mitosis?
6. What percent of a cell's life is spent in interphase?
7. What are cells doing during interphase?
8. Why are strokes or spinal cord injuries so serious?
9. During interphase DNA duplicates itself. What is this process called?
10. What is the most likely role that chromosomes play within a cell?
11. What are the light and dark bands on the chromosomes?

Part II Meiosis

1. Sex cells have how many chromosomes as compared to the number in the parent cell?
2. Germ cells are found only in ...
3. How many chromosomes do human body cells have?
4. How many chromosomes do human sex cells have?
5. The condition where paired chromosomes are absent is called the _____ condition.
6. What happens when two haploid cells join together?