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Cell Division

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| **Across****2.** Biologists described the life of a cell as one cell division after another separated by an "in-between" period of growth.**4.** Spindle fibers extend from a region called the centrosome, where tiny paried structures are located. **6.** Second phase of mitosis, is generally the shortest.**10.** Genetic information is bundled into packages of DNA**11.** Third phase of mitosis, begins when sister chromatids separate and begin to move apart.**12.** The second stage, the division of the cytoplasm. | **Down****1.** The fourth and final phase of mitosis.**3.** Duplicated strands of the DNA molecule canbe seen to be attached along their length at an area.**5.** First stage of the process,division of the cell nucleus.**7.** First phase of mitosis, usually the longest and may take up half of the total time required to complete mitosis.**8.** Each DNA strand in the duplicated chromosome is referred to as a sister chromatid.**9.** The chromosomes in eukaryotic cells form a close association with histones, a type of protein. |