Cell Growth and Division

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|  | 2T |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  E |  | 3C |  H |  R |  O |  M |  O |  S |  O |  M |  E |  C |  O |  U |  N |  T |  |  |
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|  |  P |  |  |  | 7C |  |  |  |  |  Y |  |  |  E |  |  |  |  |  |  A |
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| 9C |  A |  N |  C |  E |  R |  | 10C |  H |  R |  O |  M |  A |  T |  I |  N |  |  |  |  O |
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| 15C |  E |  L |  L |  C |  Y |  C |  L |  E |  |  |  |  |  |  |  A |  |  E |  |  |
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| **Across****1.** Synthesis phase.**3.** All organisms cells have a different amount of chromosomes.**9.** Cells that are experiencing uncontrolled growth and division.**10.** The granular material in the nucleus.**12.** Division of the cell's nucleus.**14.** Lifetime of the cell when the cell grows and prepares to divide**15.** Series of events in which a cell grows, prepares for division, and divides to form two daughter cells**16.** The second phase of mitosis, and it only takes a couple minutes. It is when the chromosomes line up across the middle of the cell. | **Down****2.** The last phase of mitosis. It is when the chromosomes start to become a chromatin and the nucleolus becomes visible.**4.** Division of the cell's cytoplasm.**5.** The area where the chromatids are attached to each other.**6.** Surface area will increase slower that volme**7.** A part of two identical sister parts of duplicated chromosomes.**8.** Contains DNA that is passes from an old generation of cells to another.**11.** The third phase of mitosis. It is when the sister chromatids separate and move to opposite poles.**13.** The first phase of mitosis and it's the longest lasting phase.It is when the chromosomes become visible and they attach to the spindle and coil up. |