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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Process of Cell Division

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  | 1A |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  N |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 2C |  H |  R |  O |  M |  A |  T |  I |  D |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  P |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 3C |  H |  R |  O |  M |  O |  S |  O |  M |  E |  S |  |  |  |
|  |  |  |  | 4C |  |  |  A |  |  |  |  |  |  |  |  |  | 5C |  |  |
|  |  |  |  |  E |  |  |  S |  |  |  | 6C |  |  |  |  |  |  Y |  |  |
|  |  |  |  |  N |  | 7T |  E |  L |  O |  P |  H |  A |  S |  E |  |  |  T |  |  |
|  |  |  |  |  T |  |  |  |  |  |  |  R |  |  |  |  |  |  O |  |  |
|  |  |  |  |  R |  |  |  | 8M |  I |  T |  O |  S |  I |  S |  |  |  K |  |  |
|  |  |  |  |  I |  |  |  |  |  |  |  M |  |  |  |  |  |  I |  |  |
|  |  |  |  |  O |  |  |  |  | 9M |  |  A |  |  |  | 10C |  |  N |  |  |
|  |  |  |  |  L |  |  |  | 11C |  E |  N |  T |  R |  O |  M |  E |  R |  E |  |  |
|  |  |  |  |  E |  |  |  |  |  T |  |  I |  |  |  |  L |  |  S |  |  |
|  |  |  |  |  S |  |  |  |  |  A |  |  N |  |  |  |  L |  |  I |  |  |
|  |  |  |  |  |  |  |  |  |  P |  |  |  |  |  |  C |  |  S |  |  |
|  |  |  |  |  | 12P |  R |  O |  P |  H |  A |  S |  E |  |  |  Y |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  A |  |  |  |  |  |  C |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  S |  |  |  |  |  |  L |  |  |  |  |
|  |  |  |  |  |  | 13I |  N |  T |  E |  R |  P |  H |  A |  S |  E |  |  |  |  |

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| **Across****2.** The DNA strands in the duplicated chromosome**3.** Packages of DNA containing genetic information**7.** Forth stage of mitosis, when chromosomes(condensed and distinct) spread out into a tangle of chromatin**8.** First stage of cell division, divistion of nucleus**11.** Area where duplicated strands of DNA molecule can be seen to be attached along their length**12.** During \_\_\_, genetic material in nucleus condense and the duplicated chromosomes become visible**13.** "In between" period of growth during cells during cell's life | **Down****1.** Third phase of mitosis that begins when sister chromatids separate and move apart**4.** Tiny paired structures**5.** Second stage of cell division, division of cytoplasm**6.** Chromosomes in eukaryotic cells form a close association with histones(protein)**9.** Second stage of mitosis when centromeres of the duplicated chromosomes line up across center of cell**10.** Series of events cells go through as they grow and devide |