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

Process of Cell Division

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