|  |  |
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| Interphase  **Prophase**  **1st step**  **Metaphase   2nd step**  **Anaphase  3rd step**  **Telophase  4th step** | * **The process of \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ begins after a sperm fertilizes an egg.**   27   * **Three reasons why cells reproduce by asexual reproduction:   1. \_\_\_\_\_\_\_\_\_\_\_\_  2. \_\_\_\_\_\_\_\_\_\_\_\_  3. \_\_\_\_\_\_\_\_\_\_\_\_\_** * Cells that reproduce by asexual reproduction reproduce \_\_\_\_\_\_\_\_\_\_\_\_\_ * **Steps in “\_\_\_\_\_\_\_\_\_\_\_”** * \_\_\_\_\_\_\_\_\_\_\_ * \_\_\_\_\_\_\_\_\_\_\_ * \_\_\_\_\_\_\_\_\_\_\_ * \_\_\_\_\_\_\_\_\_\_\_\_ * \_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_ * **Interphase  occurs \_\_\_\_\_\_\_\_\_\_\_ mitosis begins** * Chromosomes are **\_\_\_\_\_\_\_\_\_\_**… they \_\_\_\_\_\_\_\_\_\_\_ * Chromosomes appear as threadlike coils (**\_\_\_\_\_\_\_\_\_\_\_\_**) at the start, but each chromosome and its copy (**\_\_\_\_\_\_\_\_** \_\_\_\_\_\_\_\_\_\_\_) change to sister \_\_\_\_\_\_\_\_\_\_\_\_ at end of this phase * **\_\_\_\_\_\_\_\_\_\_** begins (cell begins to \_\_\_\_\_\_\_\_\_\_\_) * **\_\_\_\_\_\_\_\_\_\_\_** (or poles) appear and begin to move to opposite end of the cell. * **\_\_\_\_\_\_\_\_\_ \_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_**form between the poles. * **Chromatids** (or pairs of chromosomes) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. * Chromatids (or pairs of chromosomes) \_\_\_\_\_\_\_\_\_ and begin to\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_ ends of the cell. * \_\_\_\_\_\_\_\_\_ new **\_\_\_\_\_\_\_\_\_\_**form. * Chromosomes appear as chromatin **(threads** rather than **rods).** * **\_\_\_\_\_\_\_\_\_\_** ends. |
| **Cytokinesis occurs after mitosis** | * Cell \_\_\_\_\_\_\_\_\_\_\_ moves inward to create two **\_\_\_\_\_\_\_\_\_\_\_\_\_** cells – each with its own **nucleus** with \_\_\_\_\_\_\_\_\_\_\_\_\_\_ **chromosomes.**       Human Mitosis |