|  |  |
| --- | --- |
| 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.
 |
| **Cytokinesisoccurs after mitosis** | * Cell \_\_\_\_\_\_\_\_\_\_\_ moves inward to create two **\_\_\_\_\_\_\_\_\_\_\_\_\_** cells – each with its own **nucleus** with \_\_\_\_\_\_\_\_\_\_\_\_\_\_ **chromosomes.**

  Human Mitosis |