**Mitosis**

What is mitosis?

Three reasons why cells reproduce by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ reproduction:
 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

****

**1.**

**2.**

**3.**

**4.**

**Prophase**1st step in Mitosis

* **Centrioles** (or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) appear and begin to \_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ends of the cell.
* **Spindle \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the poles.
* **Chromosomes**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Metaphase** 2nd step in Mitosis

* **Chromatids** (or \_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) attach to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fibers.
* Chromatids \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ up in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the cell.

**Anaphase**3rd step in Mitosis

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(or pairs of chromosomes) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and begin to move to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ends of the cell.
* Chromatids move \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Telophase**4th step in Mitosis

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_ new **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** form.
* Chromosomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and appear as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Mitosis \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Cytokinesis**occurs after Mitosis

* Cell membrane moves \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to create two **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** cells – each with its own \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ chromosomes**.**

**REMEMBER! I Prefer Meatloaf at Tennis Camp**

* **I**nterphase
* **P**rophase
* **M**etaphase
* **A**naphase
* **T**elophase
* **C**ytokinesis

