3.2 – Mitosis & Meiosis Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Using your glossary, the webpage, or the online activity, **define and draw a diagram** for the following:

**Meiosis:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mitosis:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use your understanding of mitosis to complete the table below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Organism** | # of chromosomes at the END of mitosis | # of chromosomes in a normal body cell | # of chromosomes in a single gamete (sex cell) | # of chromosomes in a zygote | # of **pairs** of chromosomes |
| *Guinea Pig* |  | 64 |  |  |  |
| *Potato* |  |  | 24 |  |  |

***COMPLETE THE COMPARISON ON THE BACK 🡪***

Use the following chart to compare key points of each form of cellular reproduction:

|  |  |
| --- | --- |
| **Mitosis** | **Meiosis** |
|  |  |