**Mitosis and Meiosis Practice Test**

Mitosis Activity:

1. Identify the Stages of Mitosis and draw in what each cell looks like.



1. When do you do mitosis? \_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_
2. How is mitosis different than meiosis?

Meiosis Activity:

1. What are the three major differences between Meiosis #1 and Mitosis?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which occurs in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ phase.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which occurs in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ phase.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which occurs in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ phase.

1. Identify the Stages of Mitosis and draw in what each cell looks like.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Meiosis 1 | 1. Interphase 1
 | 2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 3\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Picture |  |  |  |  |  |
| Meiosis 2 | 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2\_\_\_\_\_\_\_\_\_\_\_\_\_ | 3\_\_\_\_\_\_\_\_\_\_\_\_ | 4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | Why doest the cell go therough interphase again in meiosis 2?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |

1. Genetic Variation is caused by these 3 things?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Why is genetic variation a good thing? *(Connect it to evolution.)*