“The Cell Cycle and Mitosis Guided Notes”

# Stages of the Cell Cycle

Describe the properties for each stage of the cell cycle

|  |  |  |
| --- | --- | --- |
| **G0**  | **G1**  | **S**  |
|  |  |  |
| **G2**  | **M**  | **Interphase**  |
|  |  |  |

**“Mitosis”**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is the process by which an identical copy of a cell is made.

1. Before mitosis occurs \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ happens first so that both the old and new cells have a complete and identical set of chromosomes.

1. In somatic cells, the chromosomes come in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ while in reproductive cells, sperm and egg, the chromosomes are not \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rather gametes have \_\_\_\_\_\_\_\_\_\_\_\_\_\_ the number of chromosomes as somatic cells.

HAPLOID Cells - \_\_\_\_\_\_\_\_\_ - are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which are \_\_\_\_\_\_\_\_\_\_\_\_\_cells which have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the number of chromosomes

DIPLOID Cells - \_\_\_\_\_\_\_\_\_\_ - are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_which have 2 full sets of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

# Function of Mitosis

1. Mitosis is carried out so that multicellular organisms can…
2. In single celled organisms mitosis is carried out to…

|  |  |  |
| --- | --- | --- |
| STAGES OF CELL DIVISION  | SKETCH  | DESCRIPTION OF VISIBLE CELLULAR STRUCTURES  |
|  INTERPHASE   |   |   |
|  PROPHASE   |   |   |
|  METAPHASE   |   |   |
|  ANAPHASE   |   |   |
|  TELOPHASE   |   |   |