

Know how mitosis is LIKE meiosis and how are they DIFFERENT!!!

Why are the 4 cells produced all genetically different than the original germ cell?

When does SEGREGATION occur...what does it mean...

Cytokinesis occurs twice in meiosis...WHEN?

3 reasons why variation occurs..

- a. only one sperm fertilize and egg and its genetic material is different than every other sperm
- b. crossing over
- c. Law of Independent Assortment...what is this? **In metaphase when the homologous pairs line up in the middle**(before they are separated), **it is random which pair goes on which side of center. This is part of the reason why each of the 4 daughter cells produces is a little different from the next.**

Comparing other life cycles

Describe or draw the animal life cycle in regards to when it is in the haploid stage and when its in the diploid stage

In a plant life cycle there are other terms used in its life cycle. Plants can exist in both the **haploid AND diploid** stage. This is known as **Alteration of Generations**

Sporophyte...the growing pine tree or fern plant that is in the **diploid** stage

Gametophyte...a structure produced from spores, that occurs in the **HAPLOID** stage, in which it produces egg and sperm

My favorite biology teacher is which of the following?

- a. Mr. Wisniewski
- b. Mr. Ben Wisniewski
- c. Mr. Benjamin Wisniewski
- d. Mr. Benjamin Don Wisniewski

