**Meiosis Notes**

**(Making the Sex Cells)**

The process of division that produces cells is called . Meiosis is also called since it makes the cells in males and cells in females. (Mitosis is called reproduction since it makes body cells).

* The cells are called
* The gamete is the
* The gamete is the (ovum/ova)

In reproduction, a new organism is produced when from two parents combine.

How many chromosomes are in a human body cell?

* There are chromosomes in a human body cell

A human sex cell has chromosomes. Why do they have half the number of chromosomes?

* Because the sperm’s chromosomes are going to combine with the egg’s chromosomes to make the first cell of the baby with chromosomes.

In body cells ( ), chromosomes are found in pairs.

If each human cell has chromosomes, how many matching pairs will form?

* There will be **pairs** of chromosomes

The pairs form because the chromosomes are (not identical, though).

A cell that has 2 of every kind of chromosome is said to be . Human body cells are (each of their chromosomes can be matched up into pairs.

Sex cells have the number of chromosomes as body cells so they have matching pairs. A with just chromosome from each is called .

**Sexual Reproduction**

Sexual reproduction starts with the formation of the and ends when one sex cell with another and a organism is begun.

The joining of an and is called .

The cell that forms in fertilization is called a .

If an egg with joins a sperm that has , how many chromosomes will the zygote have?

* The zygote will have chromosomes

The then begins to undergo mitosis and the develops.