Mitosis – Meiosis	Name	Per

Mitosis:

Mitosis is cell division when the new cells are just like the old cells. The chromosome number in the new cells are _____ the old.

The chromosomes are in pairs and described as __N. The N describes the number of pairs for that organism.

Mitosis is for g_____ and repair. Sometimes a new organism develops from **mitosis.**

A new organism from one cell (or 1 parent) would be _____ (sexual or asexual reproduction. The offspring would be i_____, to the parent & a *c*_____.

Meiosis:

Meiosis is cell division when the new cells have only _____ the number of chromosomes as the old cells. (Think of them as half cells.)

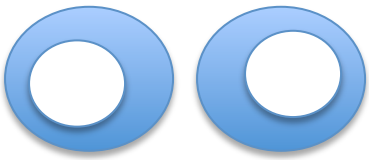
The chromosomes are not in pairs and are described as ___ N.

Meiosis is for the formation of _ _ _ cells, or the _ _ _ and _ _ _ _ _ cells.

A new organism from the combining of two sex cells (___ parents) would be _____ (sexual or asexual. r_____ . The new organism would be a _____ of the _____.

Draw and write the number of chromosomes in the following cells:

_____
_____N



#____
____N

_____
_____N

#_____
_____N

Fertilization:

Each sex cell has h_____ , or ___ N, the normal number of chromosomes. Two sex cells combine to form a f_____ egg, or z_____ , that has the normal number of chromosomes, or ____N. The combining is called _____ and results in a z_____.

Draw and write the number of chromosomes in the following cells. Name each.

#_____
_____N
_____

#_____
_____N
_____

#_____
_____N
_____