

Notes Mitosis/Cell Cycle

Friday May 19, 2017

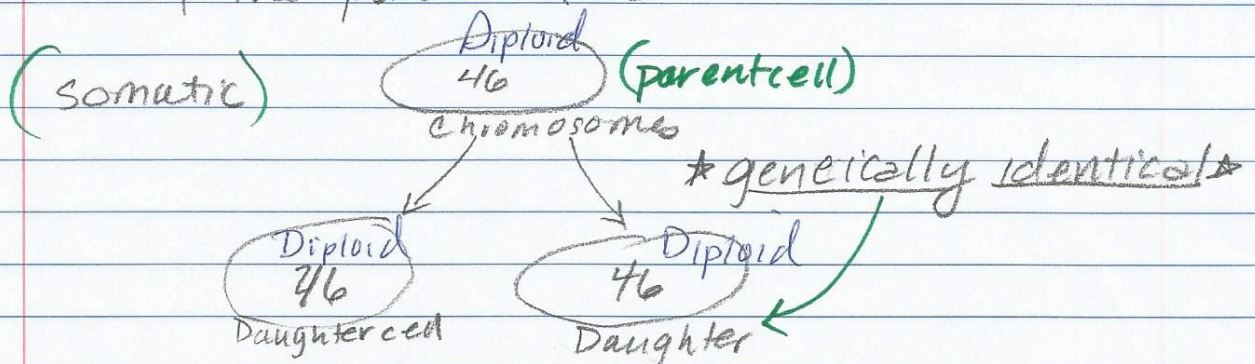
Cell Division: - mitosis (somatic cell division)

Why does a cell need to divide?

- ① SA to volume ratio becomes too small efficiency of transport in/out cell goes down
- ② DNA can not keep up with all the cell's demands, not able to service the cell as it should
- ③ Organism is growing needs more cells.
- ④ Repair cells.

Type of cell division we are talking about is Mitosis.

Mitosis is making an identical copy of the parent cell



when a cell has the "full set" of chromosomes it is referred to as a diploid or $2N$

If a diploid cell has 2 sets of homologous chromosomes

sets # of chromosomes

