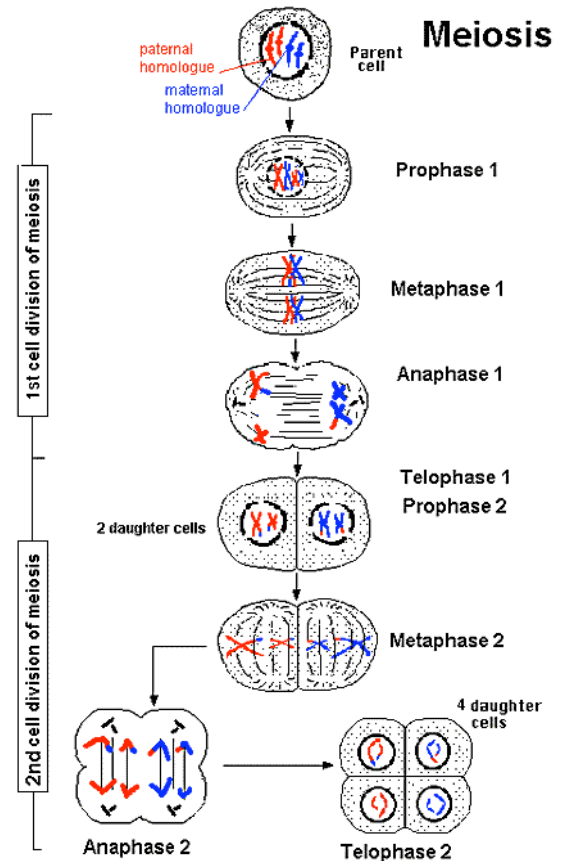


Meiosis

In biology, meiosis is a process of reductional division in which the number of chromosomes per cell is cut in half. In animals, meiosis always results in the formation of gametes, while in other organisms it can give rise to spores. Answer the following questions or statements in the usual project form.

- Describe meiosis. Be sure to include what it is, where it takes place and the cells that perform it.
- Briefly describe the important events that take place in PROPHASE 1.
- ***Include a picture of a cell going through meiosis.***
- How is meiosis different from mitosis? Include the number of cells produced and the chromosome number of each of those cells.
- How is gametogenesis different in males and females, in terms of the cell each starts with and functional cells produced?
- What is the difference between a haploid and a diploid cell?
- Describe crossing over and why it is so important to differentiation. Be sure to include tetrads and chiasma in your description.
- ***Include a picture of crossing over.***



Picture: <http://www.accessexcellence.org/RC/VL/GG/images/meiosis.gif>

Info: <http://en.wikipedia.org/wiki/Meiosis>