

Go to <http://www.pbs.org/wgbh/nova/baby/> ---> Click on How Cells Divide, then Mitosis vs. Meiosis. After viewing the animation, fill out the chart below, by placing a check or X in the box or boxes to indicate which the event occurs in (some events might have checks for both mitosis and meiosis).

	Meiosis	Mitosis
Two cell divisions		
Centrioles appear		
Chromosomes pair up		
Spindle fibers form		
Two cell divisions		
Cytokinesis		
Four daughter cells		

Go to <http://www.sumanasinc.com/webcontent/anisamples/majorsbiology/> ---> Click on General Biology, then Meiosis.

1. Read the introduction. Explain the difference between sexual and asexual reproduction. (Click to Animation)
2. DNA replication takes place when? _____
3. Meiosis consists of two cell divisions: _____ & _____
4. Centrosomes (aka centrioles) migrate to _____
5. The pairing of homologous chromosomes is called: _____
6. Crossing over points are called _____
7. What happens in metaphase I _____
8. What happens during anaphase I _____
9. In prophase II, each cell is [diploid / haploid] (circle)
10. In metaphase II, chromosomes line up in [single | double] file.
11. What happens during telophase II? _____
12. (Click to Conclusion). Each of the four daughter cells produced by meiosis is [identical / unique] (Click to Quiz)
13. With respect to meiosis, when does DNA replication occur? _____
14. When does crossing over occur? _____
15. During which phase do chromosomes line up along the equator? _____