

AP Biology Meiosis Worksheet on Biology.com

1. How many divisions does the process of meiosis involve?
 2. What cells result from meiosis?
 3. How is variation accomplished in meiosis?
 4. Does meiosis occur in diploid or haploid cells? Explain
 5. What are the 2 possible results from the process of meiosis? (animals and fungi)
 6. How are plants and algae different from human in terms of meiosis?
 7. What is a gametophyte? How are they produced?
 8. Explain the difference between Meiosis I and Meiosis II
 9. Explain how the centrosomes are produced for Meiosis I.
 10. What are their functions?
 11. Do plant cells have centrosomes? Explain
- **Click on the phases of mitosis on the left side of your screen to get to the next few slides.....otherwise it will knock you out of this site
12. What happens to the duplicated chromosomes during prophase I?
 13. What is crossing over?
 14. What does bivalent mean?
 15. What makes up a tetrad?
 16. What is a chiasmata?
 17. When does anaphase I begin?
 18. Do the sister chromatids remain attached during anaphase I? How is this different than in anaphase II?
 19. What happens to the tetrads in telophase I?
 20. Does replication happen again prior to prophase II? Explain
 21. What is the result of meiosis II? How many cells and how many chromosomes in each cell?
 22. Explain how there are 8 million possible chromosome pairings in a haploid nuclei.
 23. Explain how crossing over actually occurs.
 24. Explain how the results of crossing over can be genetic recombinants.
- ** make sure to do the self quiz until you understand it.....