

AP Biology 028 – Cell Cycle, Mitosis and Meiosis Video Review Sheet

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1. How many cells in our bodies?
2. What does $2n$ mean?
3. What is the goal of the cell cycle in mitosis?
4. What is the goal of the cell cycle in meiosis?
5. Describe the two parts of cell division:
 - a. Mitosis:
 - b. Cytokinesis:
6. Interphase has three parts, describe each:
 - a. G_1 :
 - b. S:
 - c. G_2 :
7. A cell spends most of its time in
8. What a G_0 phase?
9. What do you call the proteins that have to accumulate in order to trigger mitosis?
10. What is CDK? A _____ dependent
11. What is a kinase? Speeds
12. *Important point, though said quickly – what is the significance of yeast having similar CDKs to us? They show homology (similarities) through _____
13. CDKs called: Mitosis _____
 - a. They will break apart:
 - b. They will work on the _____ that build the spindle
14. How many cells will you have after mitosis? _____ after meiosis _____?
15. What are three reasons why you would do mitosis? (look at yellow area, top left of video)
16. What is meiosis getting ready for?
17. What happens during crossing over? Parts of one chromosome will

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Contributed by Winnie Litten — YouTube - /mslittenbiology Twitter-@mslittenbiology