**This is to be done by hand on paper!!! Individually!**

1. Why is it important for organisms to make more cells?
2. Draw, label and explain cell cycle and mitosis.
3. Draw, label and **explain** the 8 phases of meiosis?
4. How many cells are produced via mitosis?
5. How many cells are produced via meiosis?
6. What are the types of reproduction?
7. How many parents are involved through mitosis?
8. How many parents are involved through meiosis?
9. What is the process of fertilization? (you should use specific vocabulary here)
10. What are some advantages and disadvantages of sexual reproduction?
11. What are some advantages and disadvantages of asexual reproduction?
12. Define haploid and diploid.
13. Meiosis produces haploid or diploid cells?
14. Mitosis produces haploid or diploid cells?
15. Where does meiosis take place?
16. Where does mitosis take place?
17. Which type of cellular reproduction allows for genetic variation?
18. How is genetic variation make possible?
19. List and explain the 3 contributors that are responsible for genetic variation.