

3/4/14 Study Questions

1. What are the differences between mitosis and meiosis? What is the purpose of each process, and what are the products of each process?
2. What is the ploidy at each of the following stages in the human life cycle? Zygote, adult, gametes.
3. What are 3 sources of genetic variation, and can you explain each?
4. What is a pair of homologous chromosomes?
5. What happens when there are errors in meiosis?
6. Who discovered the structure of DNA, and how did they discover it?
7. How does DNA replicate, and when does this occur?
8. How does DNA get transcribed, and what is it transcribed into?