

Introduction to Genetics Review Worksheet

1. What is a gene? What are genes made of? Where are they found in the human body?
2. What is DNA? Where can it be found? What is it made of?
3. What is a chromosome? What is it made of?
4. What is difference between a haploid and a diploid cell?
5. What is DNA replication? Why does it happen? When does it happen? Who are the major players? What are the results?
6. What is Meiosis? Where does it happen? Why does it happen?
7. What is the difference between Meiosis and Mitosis?
8. Name the 8 phases of Meiosis! What has to happen before Meiosis can even start? (Hint: In the Interphase) What is the result of Meiosis?
9. What is crossing over? Why is it such a big deal?
10. Can a cell function as a haploid? Why does Meiosis have to result in a haploid cell?