

Name _____

Class Period _____

Chapter 7 Section 1 Reading Guide: Meiosis
pages 144-149

1. What is meiosis and how many divisions does it include?
2. What does it mean for a cell to be haploid?

3. Why does meiosis produce haploid cells? What problems would likely occur if gametes were not haploid?
4. What happens in crossing-over during prophase I? Why do you think crossing-over occurs?

9. How many possibilities are there for a zygote due to independent assortment, crossing-over, and random fertilization? Why is so much variety important?

10. How is meiosis different in males and females? Why are different numbers of gametes produced by meiosis in males and females?
