6. Look at the karyotype to the left is it?
MALE or FEMALE
NORMAL or ABNORMAL

7. Which chromosome is the longest and has the most genes? 1 or 21

8. Which chromosome is the shortest and has the fewest genes? 2 or 22

9. In a normal karyotype how many autosomal chromosomes are there?

10. In a normal karyotype how many sex chromosomes are there?

11. Nondisjunction is a chromosomal mutation that occurs during meiosis. Use the book page 392 and write the definition of Nondisjunction.

12. One type of nondisjunction mutation is trisomy 21. What is another name for it?

13. Identify the disorder in karyotype Figure 4.

14. Identify the disorder in karyotype Figure 5.

15. What disorder does the person below have?

16. Are they? MALE FEMALE