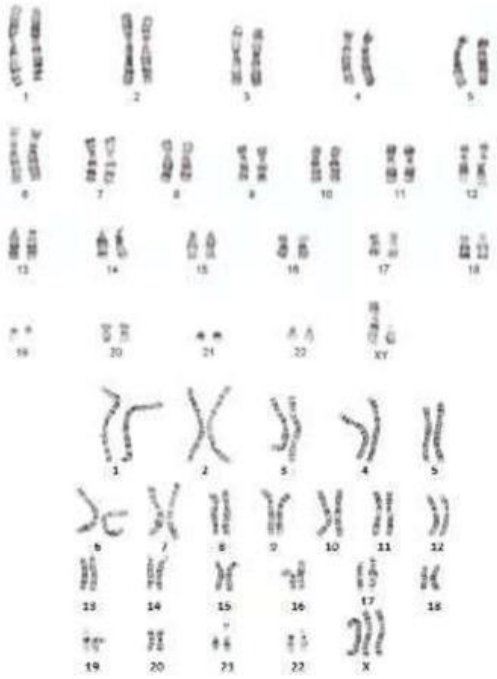
Karyotype Worksheet

1. Look at the karyotype to the right
   a. List the Autosomal chromosomes in numbers
   b. Put a box around the Sex chromosomes
   c. This is a ? _____



2. How many total chromosomes does a normal person have?

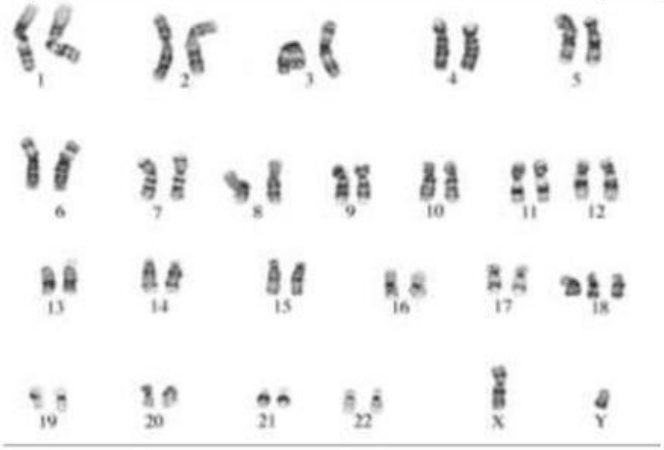
3. Write the number of a homologous pair

4. Look at the karyotype to the right. Do you see any chromosomal abnormalities?
5. Put a circle around the abnormal chromosomes
6. Using the Karyotype key below for chromosomal diseases, identify the disease this person has

   _____

7. Is this person male or female? _____

Karyotype key	
Chromosome Problem	Name of Disorder
X	Turner's Syndrome
XXX	Triple X Disease
XXY	Klinefelter's Syndrome
XYY	Jacob's Syndrome
Trisomy 18	Edward's Syndrome
Trisomy 21	Down's Syndrome
Trisomy 13	Patau Syndrome



8. Look at the karyotype to the left. Is it

   MALE or FEMALE

   NORMAL or ABNORMAL

9. Using the Karyotype key, what disease does the karyotype above have?

   _____

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

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

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

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

14. One type of chromosomal mutation is trisomy 21. What is another name for it? _____

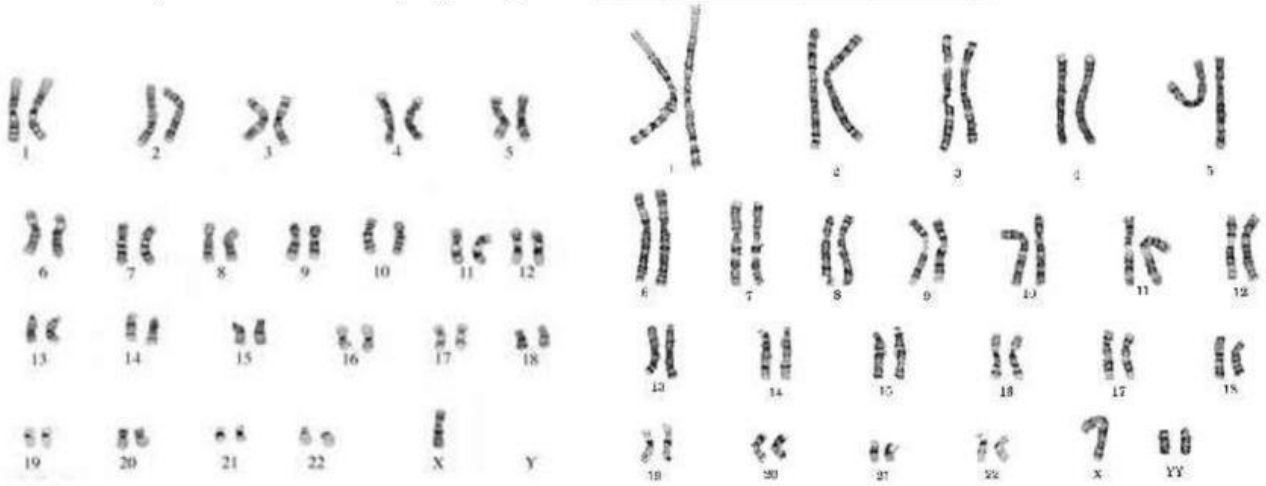
15. Identify the disorder in karyotype Figure A. _____ MALE or FEMALE

16. Identify the disorder in karyotype Figure B. _____ MALE or FEMALE

17. Identify the disorder in karyotype Figure C _____ MALE or FEMALE

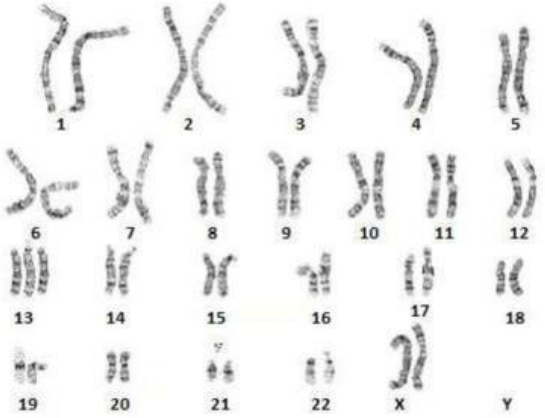
18. Identify the disorder in karyotype Figure D _____ MALE or FEMALE

19. Identify the disorder in karyotype Figure E _____ MALE or FEMALE



A B

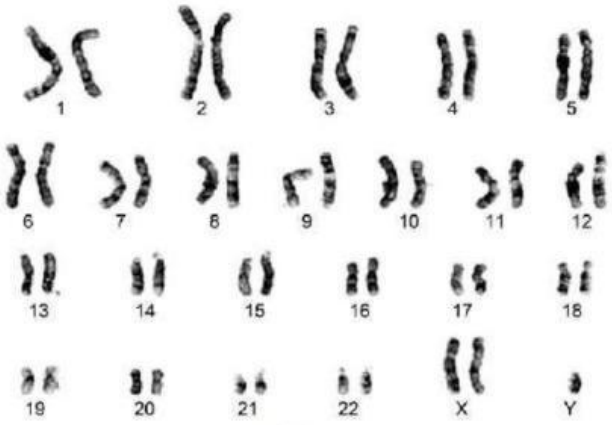
LIVEWORKSHEETS



C



D



E

WORKSHEETZONE

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