

Name: \_\_\_\_\_

Period: \_\_\_\_\_

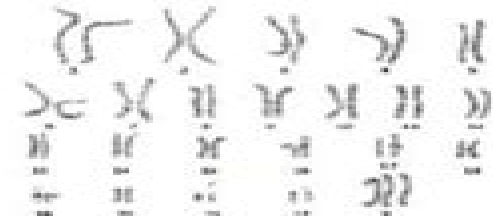
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# Karyotype Worksheet

- Look at the karyotype to the right
  - Circle the Autosomal chromosomes
  - Put a box around the Sex chromosomes
  - Is this person male or female? \_\_\_\_\_
- How many total chromosomes does a normal person have?  
Circle            23            46
- Put a star on a homologous pair



- Look at the karyotype to the right. Do you see any chromosomal abnormalities? YES    NO
- Put a circle around the abnormal chromosomes
- Using the key below for chromosomal diseases, identify the disease this person has \_\_\_\_\_
- Is this person male or female? \_\_\_\_\_



- Look at the karyotype to the left. Is it  
MALE                      or                      FEMALE  
  
NORMAL                      or                      ABNORMAL
- Using the key below, what disease does the karyotype above have? \_\_\_\_\_
- Which chromosome is the longest and has the most genes?            1            or            21
- Which chromosome is the shortest and has the fewest genes?            2            or            22
- In a normal karyotype how many autosomal chromosomes are there? \_\_\_\_\_
- In a normal karyotype how many sex chromosomes are there? \_\_\_\_\_
- One type of chromosomal mutation is trisomy 21. What is another name for it? \_\_\_\_\_

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

# Karyotype Lab Bio Sources Mrs Smith Answers

**David Kirk**



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