

Biology 1  
*Reading Karyotypes*

Name:  
 Date:  
 Hour:

Use the charts to answer the questions that follow each karyotype.

The major numerical abnormalities that survive to term:

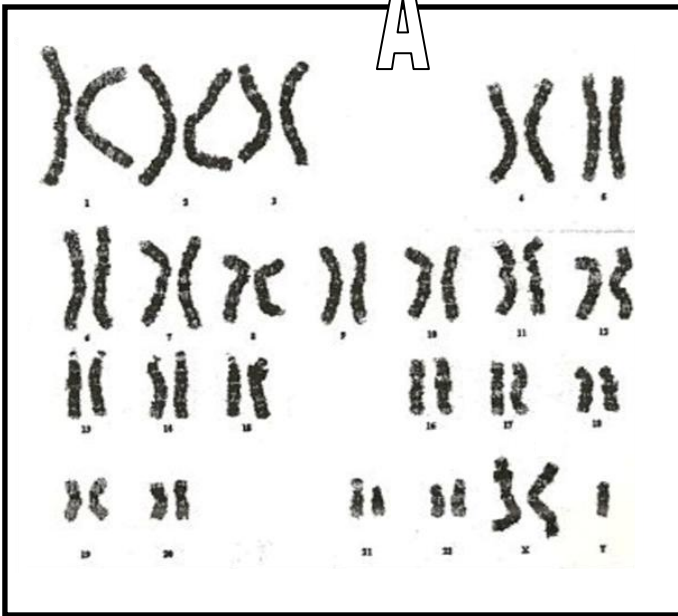
Syndrome	Abnormality	Incidence per 10 000 births	Lifespan (years)
Down	Trisomy 21	15	40
Edward's	Trisomy 18	3	<1
Patau's	Trisomy 13	2	<1
Turner's	Monosomy X	2 (female births)	30-40
Klinefelter's	XXY	10 (male births)	Normal
XXX	XXX	10 (female births)	Normal

Syndrome	Abnormality	Incidence
Wolf-Hirschhorn	Deletion, tip of 4p	1 in 50 000
Cri-du-chat	Deletion, tip of 5p	1 in 50 000
WAGR	Microdeletion, 11p	
Prader-Willi/Angelman	Microdeletion, 15p	
DiGeorge	Microdeletion, 22q	

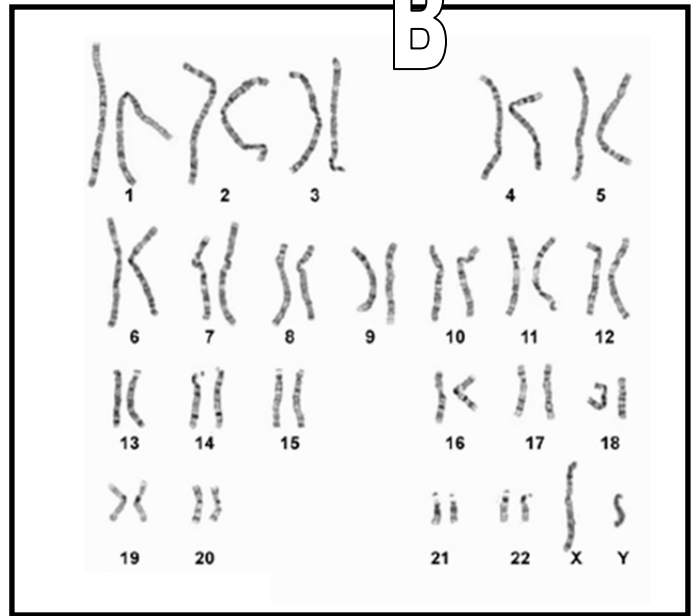
Karyotype	Total Chromosome #	Abnormality	Syndrome
A			
B			
C			
D			
E			
F			
G			
H			
I			
J			
K			
L			

\*Extra Credit: Research one of the disorders mentioned above. List the symptoms/problems associated with the disorder here:

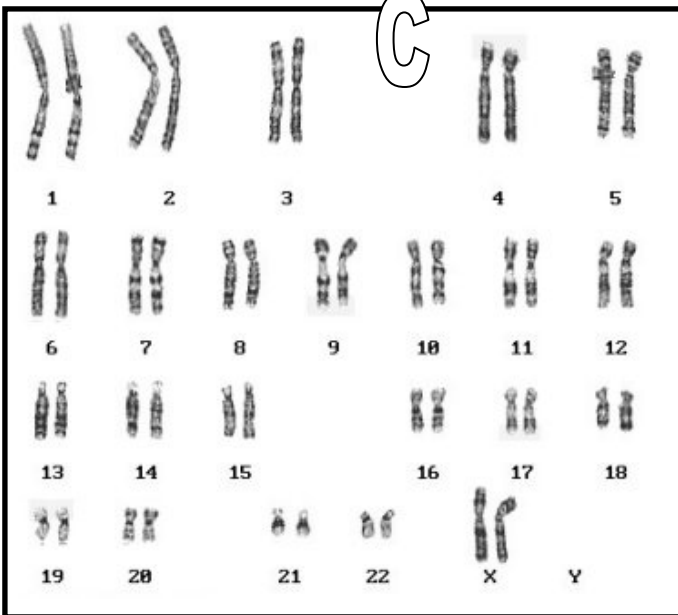
A



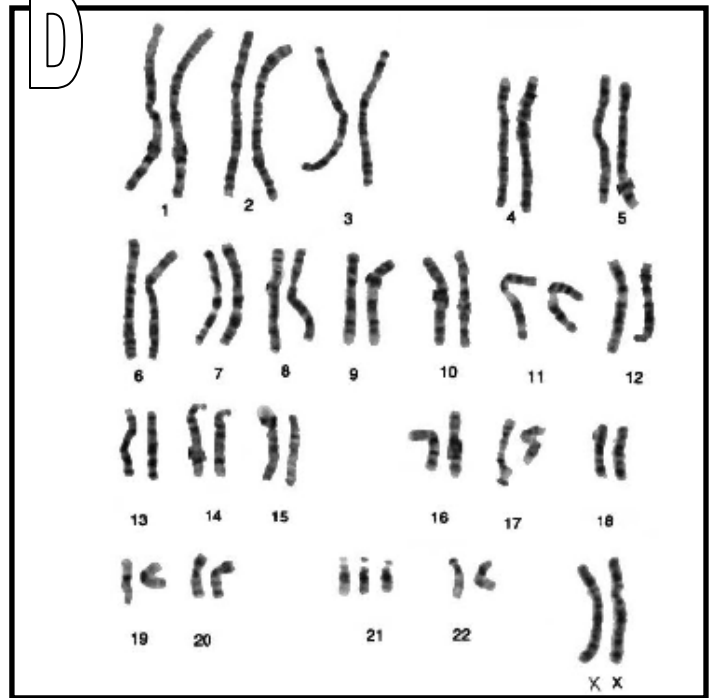
B



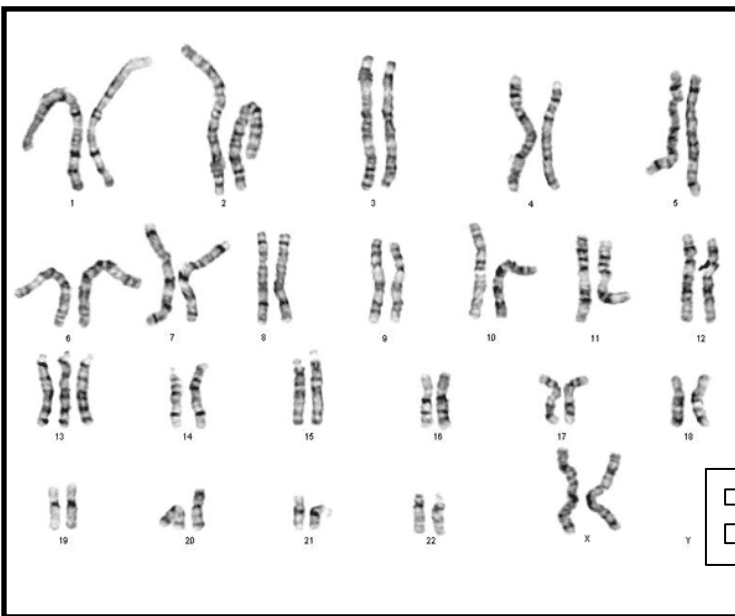
C



D



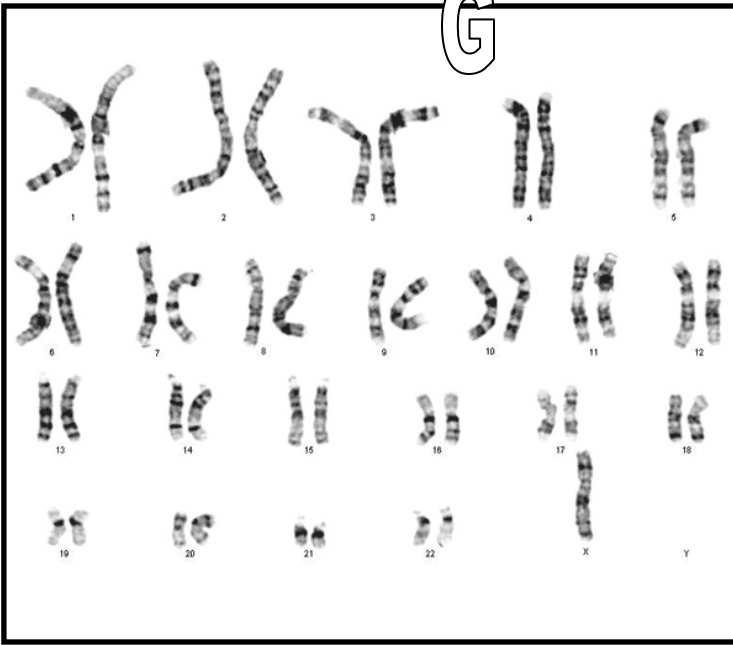
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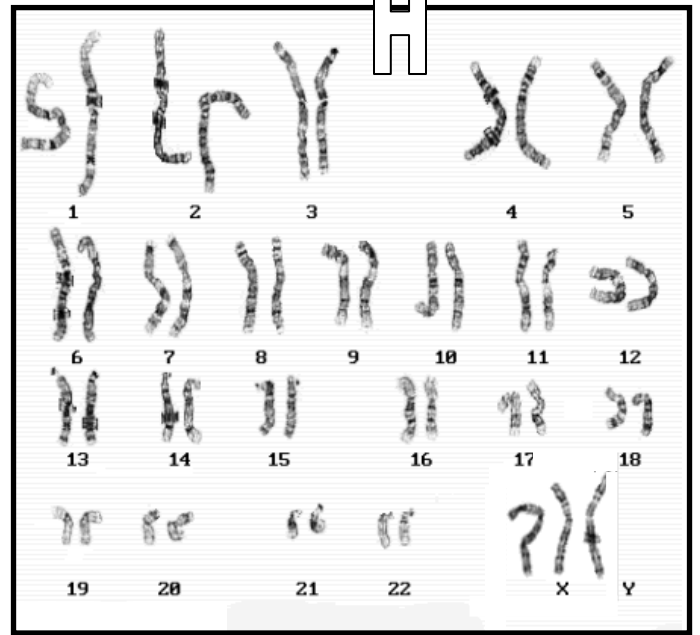
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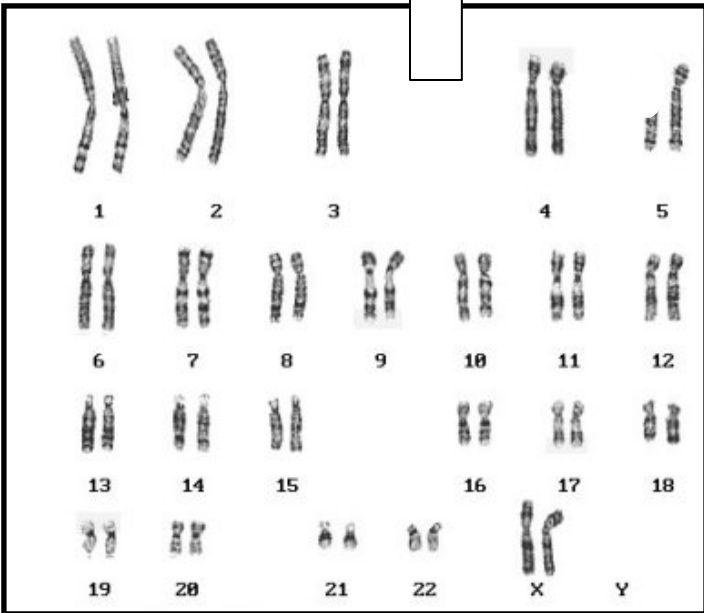
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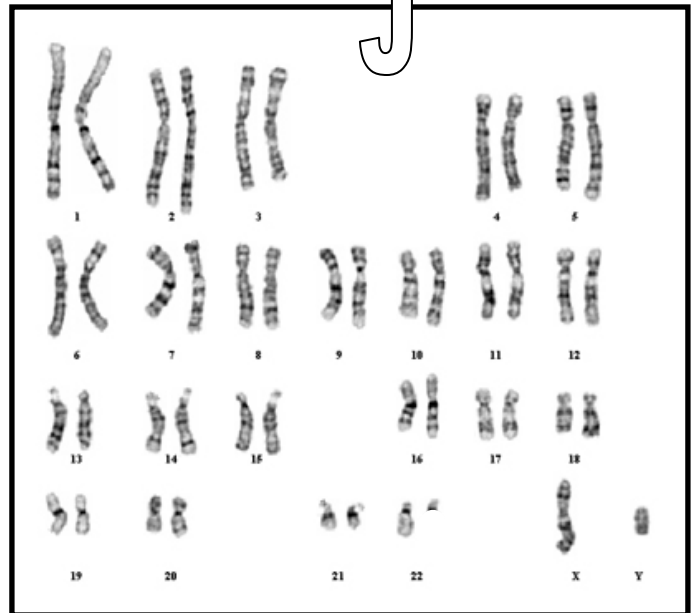
H



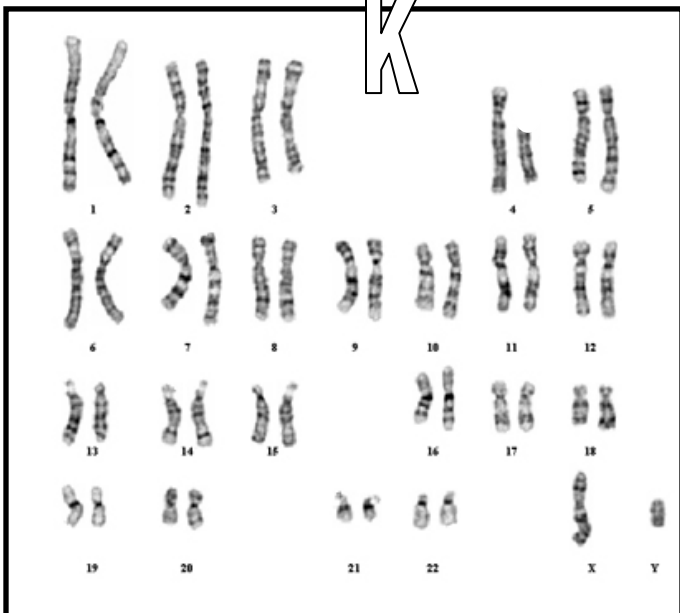
I



J



K



L

