

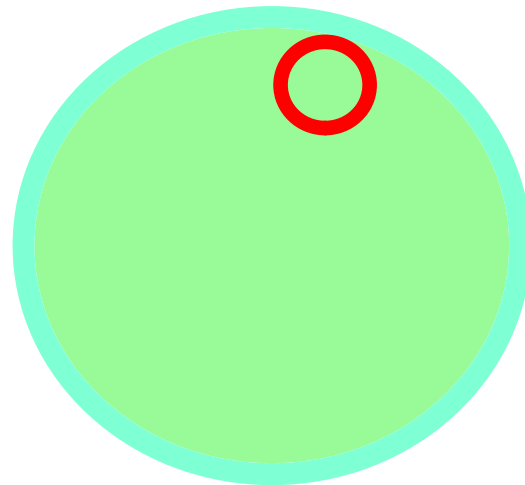
<http://duke.usask.ca/~paa151/mdna.jpg>

What would happen if part of this was deleted or not copied when a new cell was made.

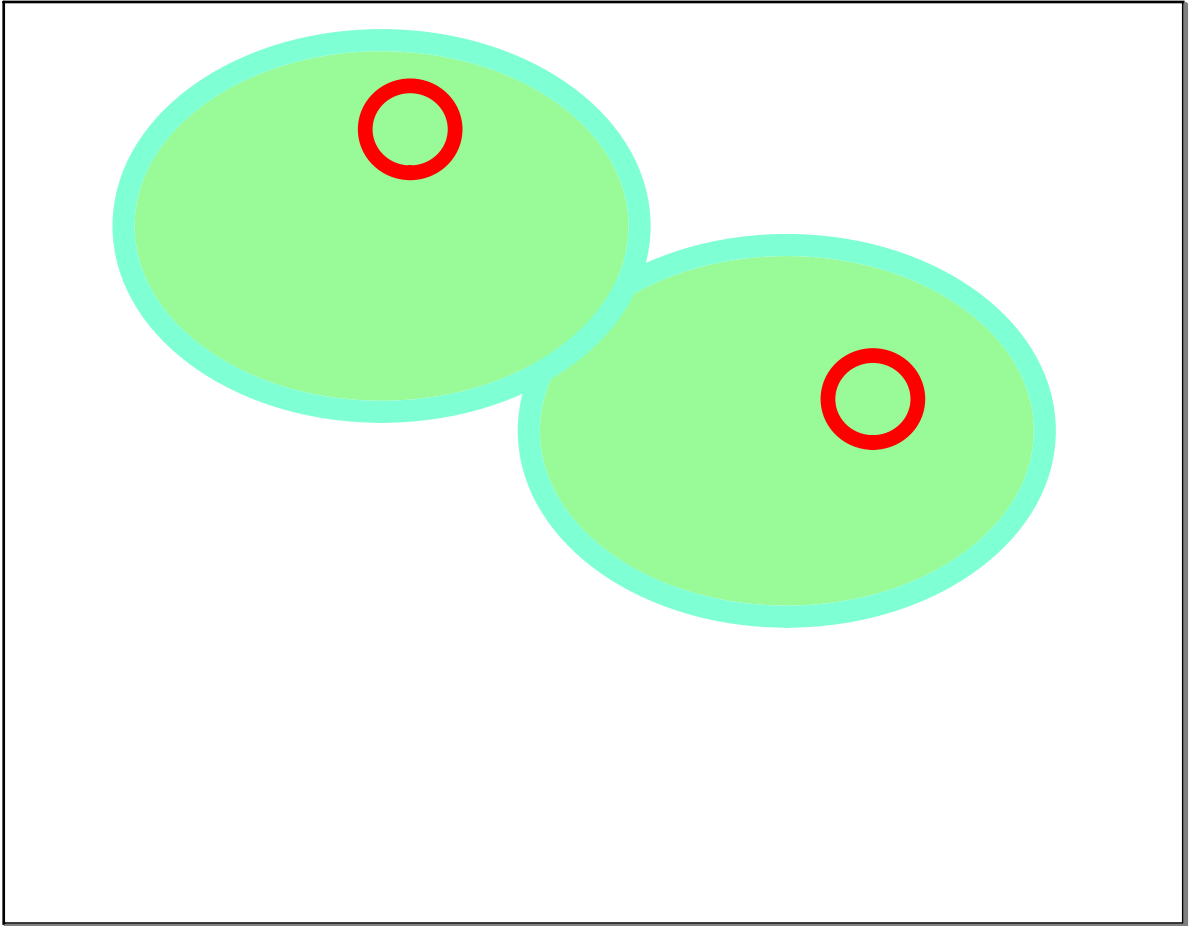
Nov 7 - 4:18 PM

Bacterial Cells

Binary fission- a form of asexual reproduction that produces identical offspring.



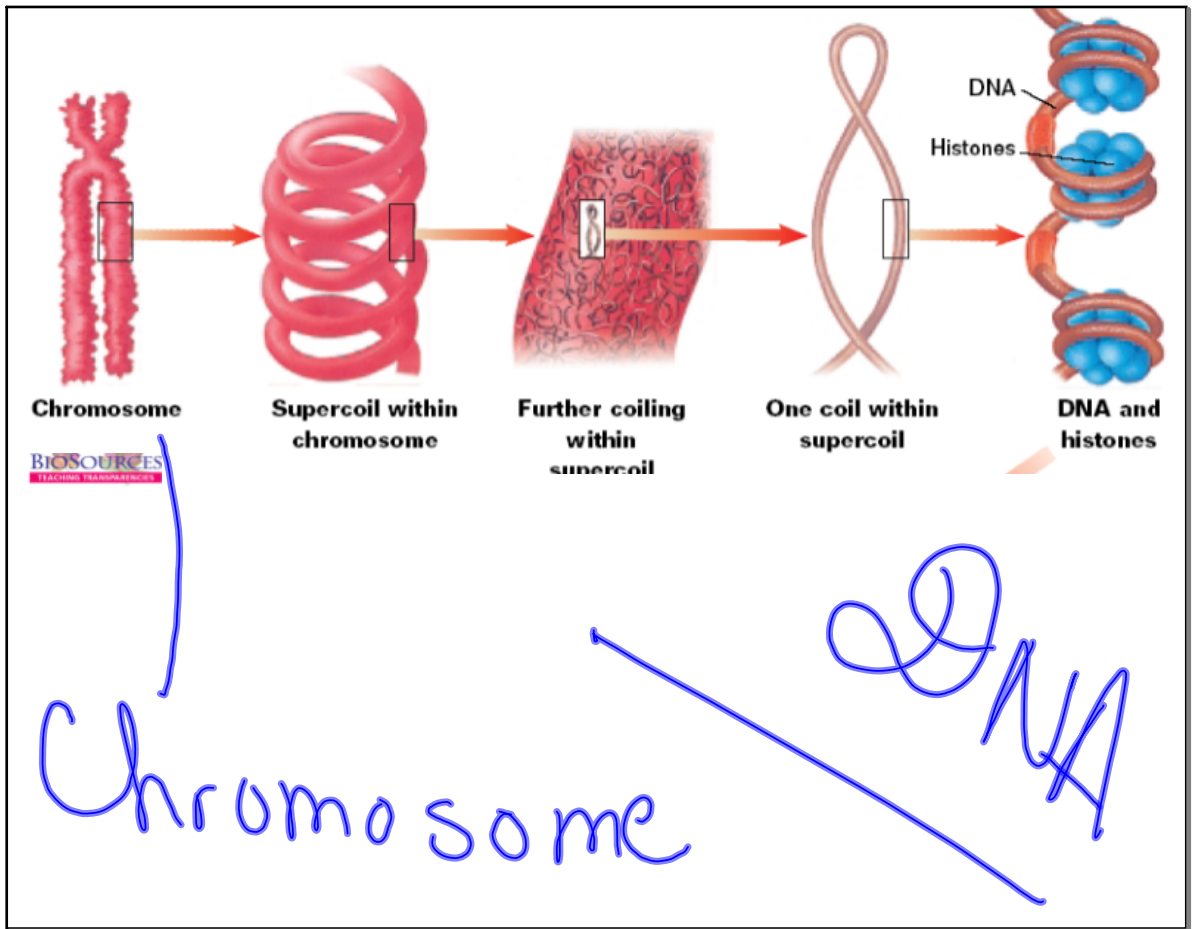
Nov 7 - 4:21 PM



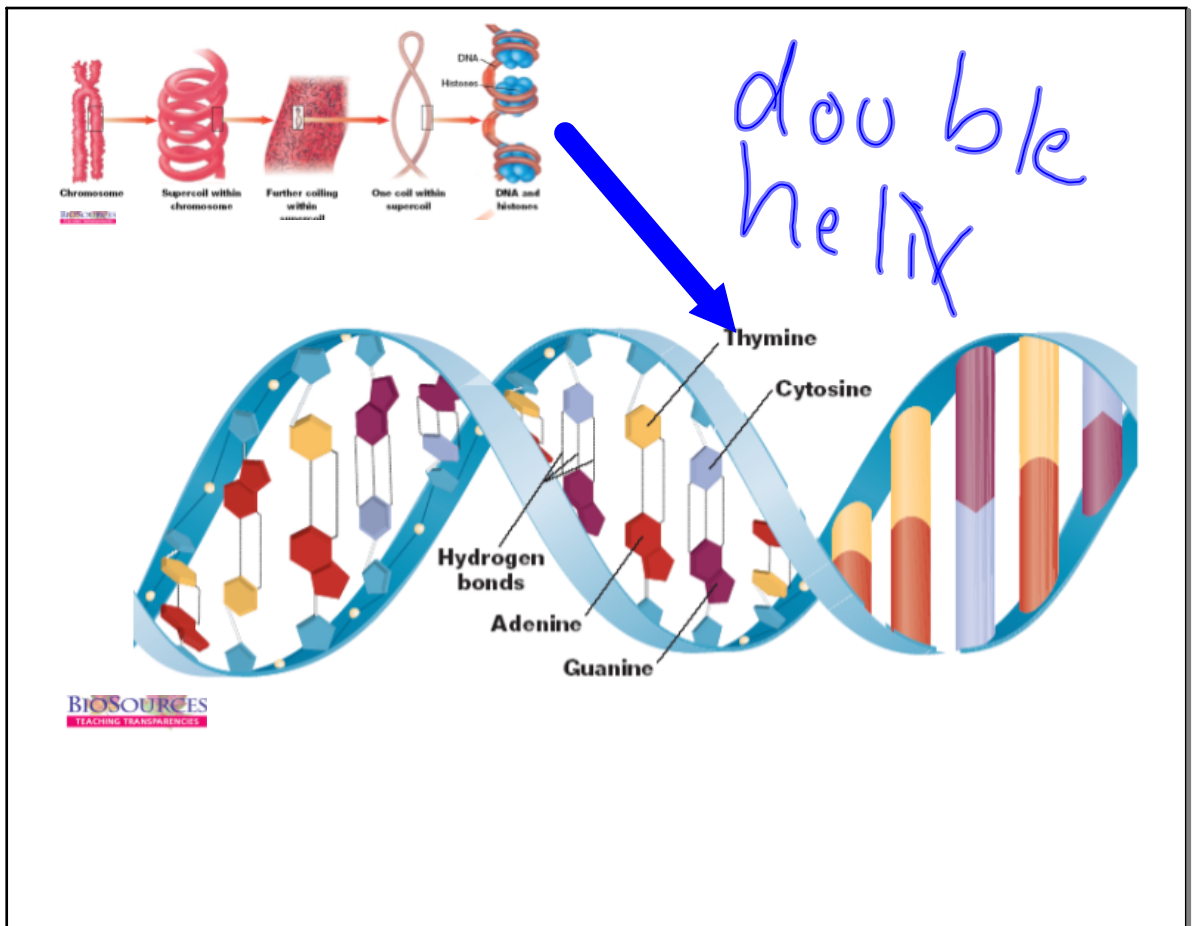
Nov 7 - 4:24 PM



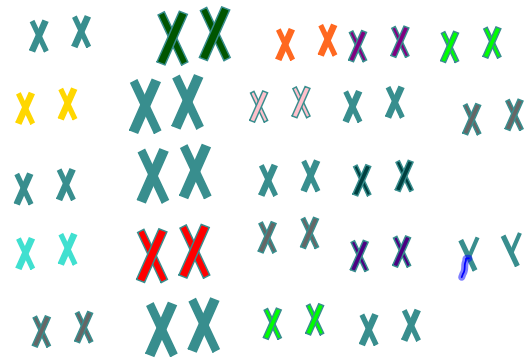
Nov 12-10:26 AM



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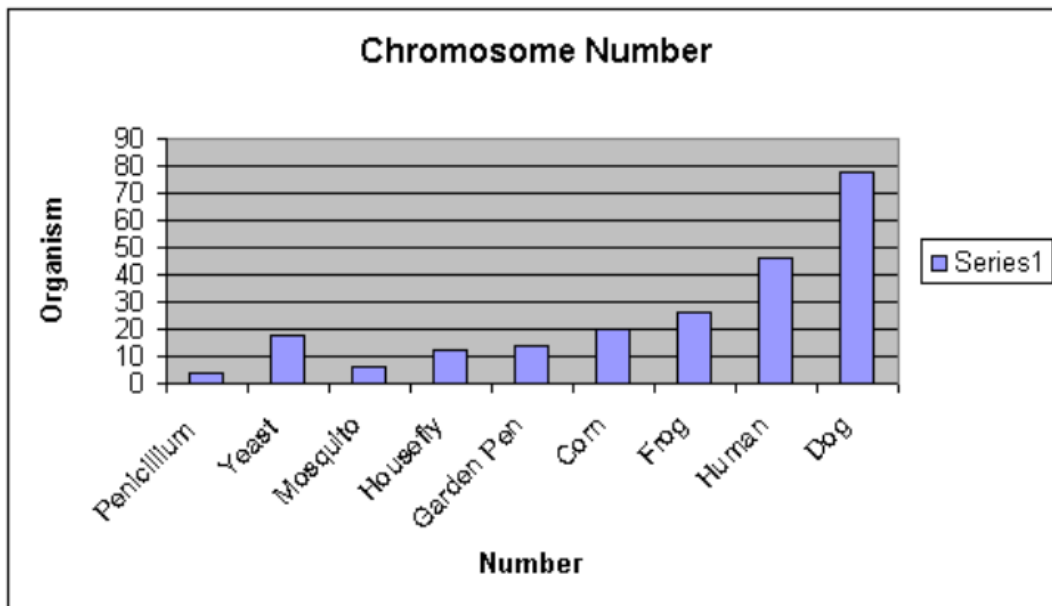


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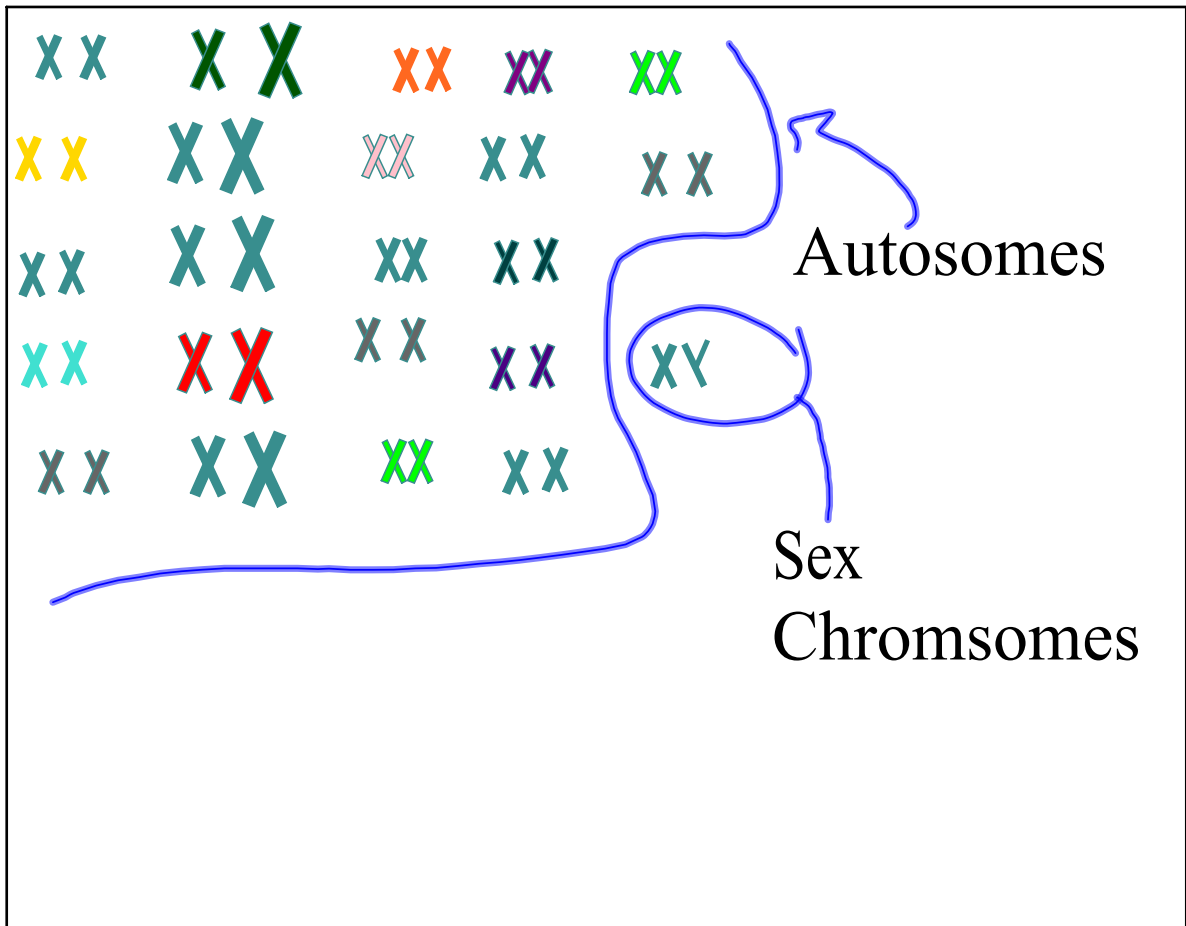


Zygote- a fertilized egg cell, the first cell of a new individual

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Autosomes

chromosomes
that are not
involved in
determining the
sex

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Sex
Chromosomes

XXY — male

XX — female

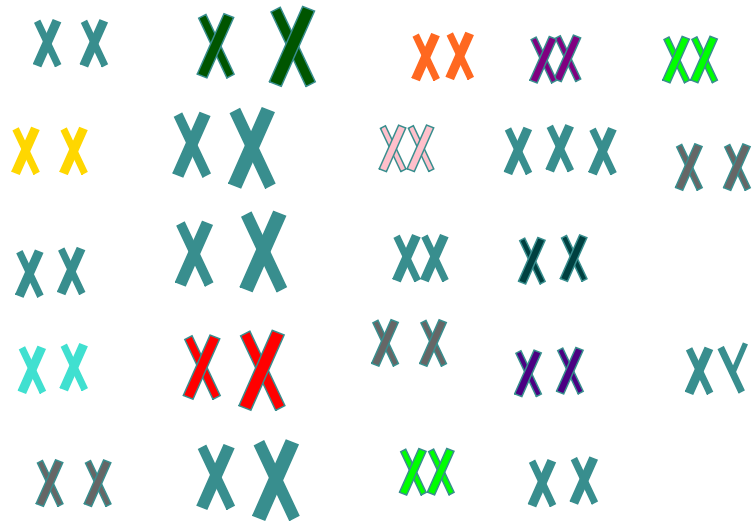
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What if missing one?

XX	XX	XX	XX	XX
XX	XX	XX	XX	XX
XX	XX	XX	X	
XX	XX	XX	XX	XY
XX	XX	XX	XX	

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What if there is an extra one?



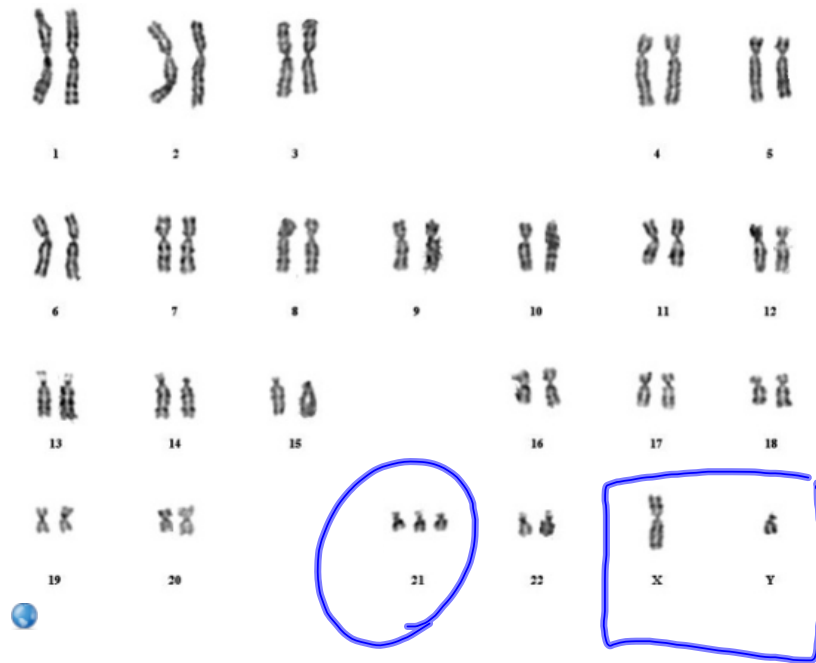
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Karyo-
type

<http://www.familystudies.org/karyotype.jpg>

Nov 7 - 5:01 PM



<http://www.health.gov.mt/impaedcard/issue/issue13/0311/fig4.jpg>

Nov 7 - 5:01 PM



Deletion

Translocation

Inversion

Duplication

Nov 7 - 5:10 PM



Inversion

Translocation Deletion

Duplication

Nov 7 - 5:10 PM



Duplication

6 7 8 9

Translocation Deletion Inversion

Nov 7 - 5:10 PM



Translocation

Deletion Inversion Duplication

Nov 7 - 5:10 PM