

restriction enzymes  
bacteria

DNA Ligase sticky ends

Dec 6-12:10 PM

Restriction Site

STICKY END

Restriction Enz.

Jan 4-12:32 PM

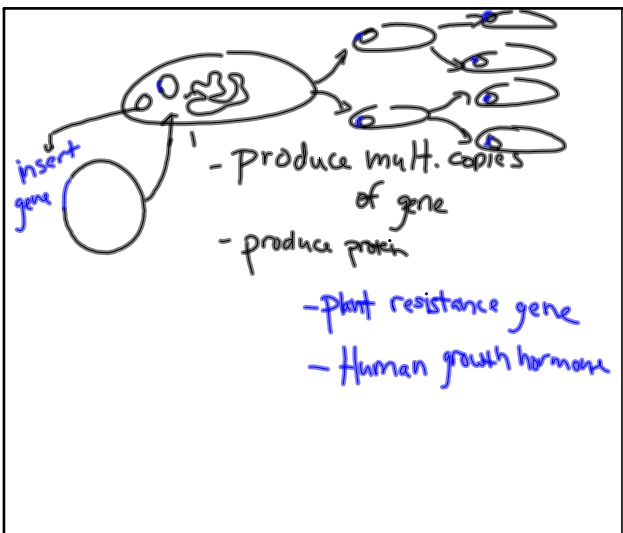
- Recombinant DNA
- Genetic engineering
- Biotechnology

Dec 7-11:58 AM

DNA cloning - mult. copies of DNA frag. or gene

- gene cloning - mult. identical copies of genes
- \* use of E. coli (Escherichia coli)

Dec 7-12:04 PM



Dec 7-12:08 PM

restriction site



CAAT

TTAAC

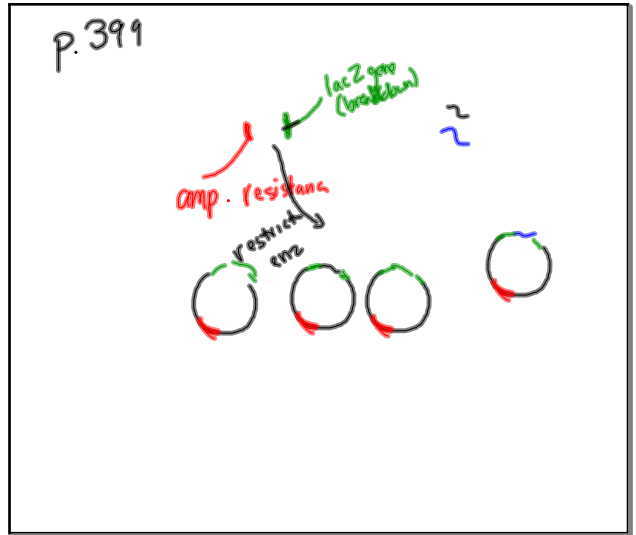
sticky ends

DNA ligase

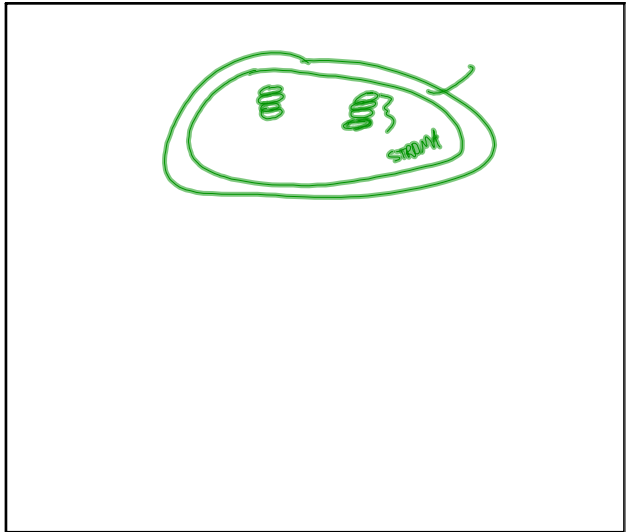
Dec 7-12:18 PM

\* Cloning a eukaryotic gene  
 • cloning vector - usually bacterial  
 plasmid    
Research Method

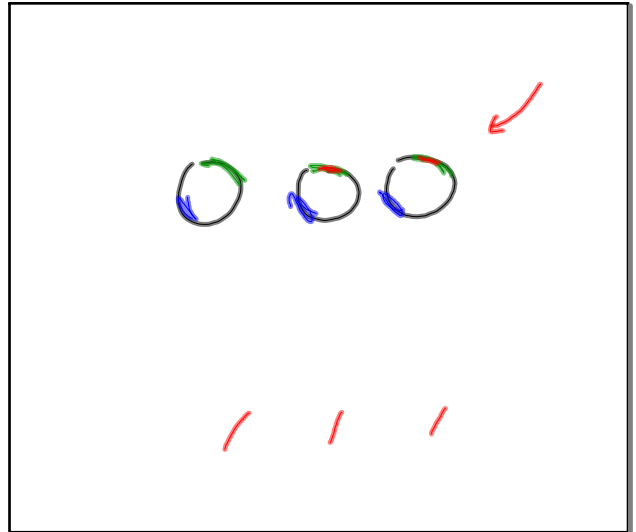
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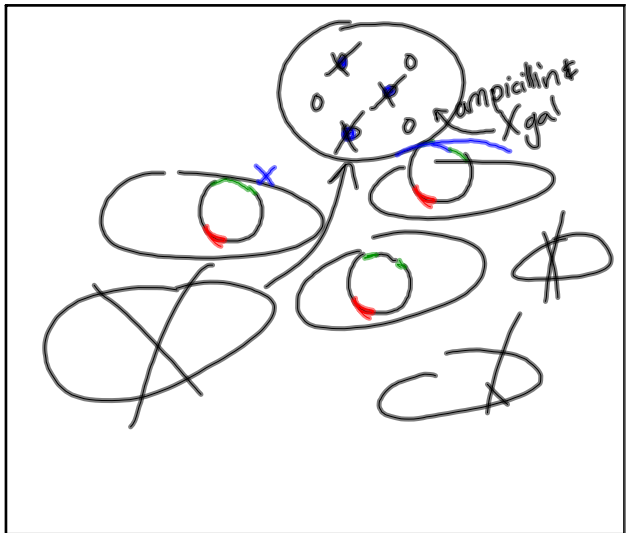
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Jan 5-11:50 AM



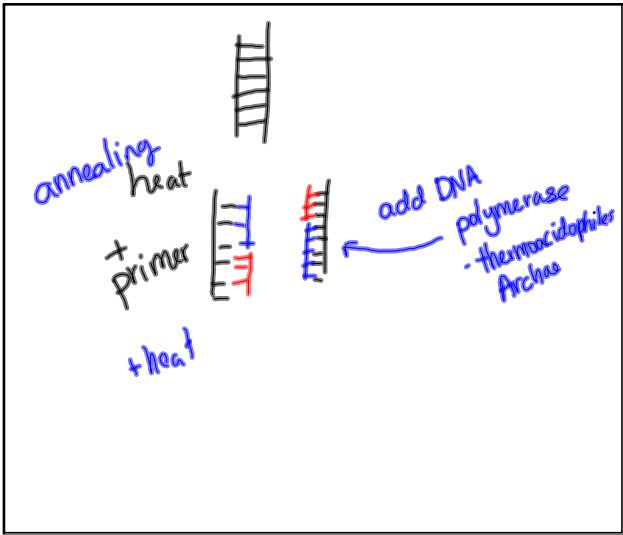
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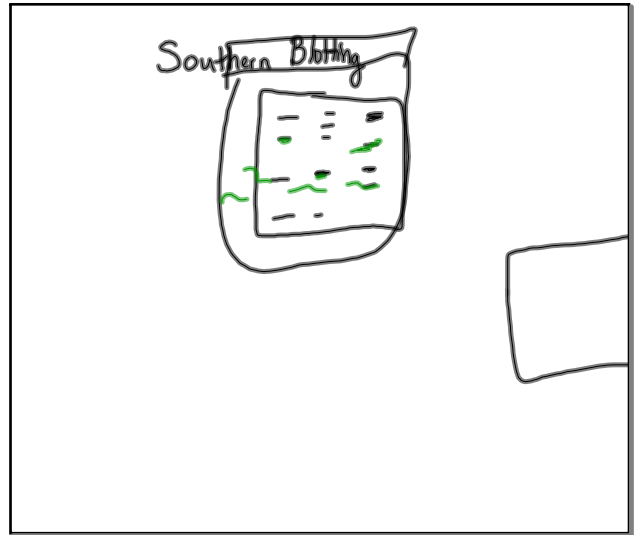
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PCR Polymerase Chain Reaction  
 - amplifies the amount of DNA  
 - forensic, archeology, genetics  
 - p. 404

Jan 5-12:03 PM



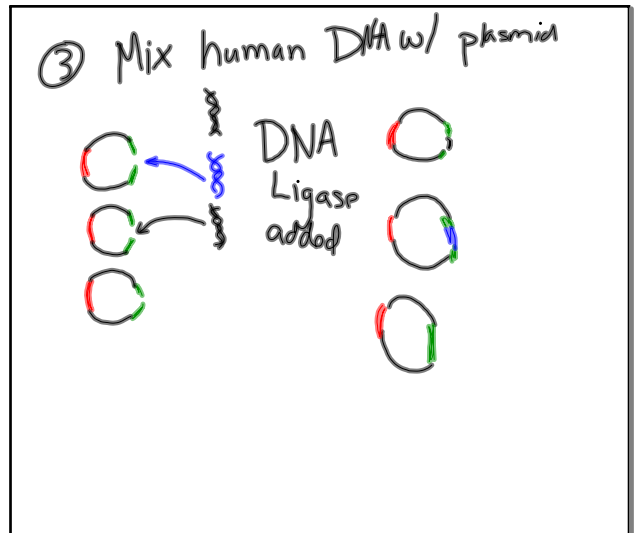
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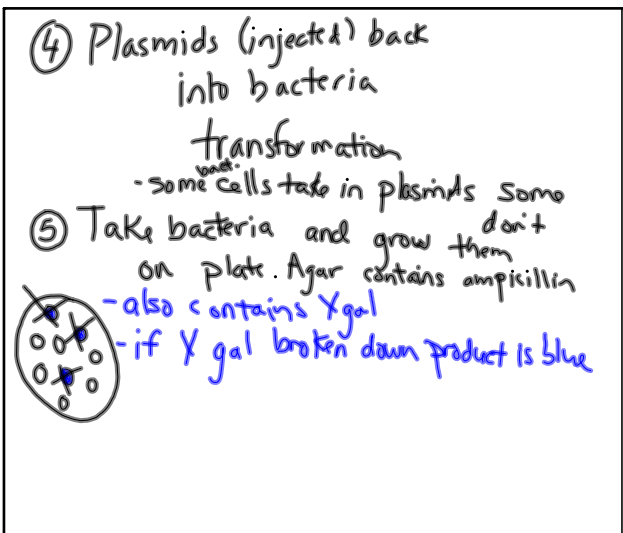
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Dec 7-12:42 PM



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