

DNA/RNA/Protein Synthesis

Review

Name _____
Date _____

DNA, Replication

1. What does DNA stand for?
.....
2. What are the three parts of the nucleotide?
.....
3. What are the four bases found in DNA?
.....
4. How do the bases pair up (what pairs w/ what)?
.....
5. What is the sugar found in DNA called?
.....
6. What is the shape of the DNA molecule?
.....
7. What is the type of bond that holds the base pairs together?
.....
8. What makes up the backbone of the DNA molecule (the sides of the ladder)?
.....

RNA and Protein Synthesis

9. What are the three differences between RNA and DNA?
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10. What does RNA stand for?
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11. What are the three types of RNA and what is their function?
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12. How many nucleotides does it take to make one amino acid?
.....
13. Where are proteins built? (on which cell organelle)?
.....
14. List three reasons proteins are important.
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15. Where does transcription take place and what happens?
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16. What is the process called that changes DNA to mRNA?
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17. What is the process called that uses tRNA to carry amino acids to mRNA to build a polypeptide?
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