



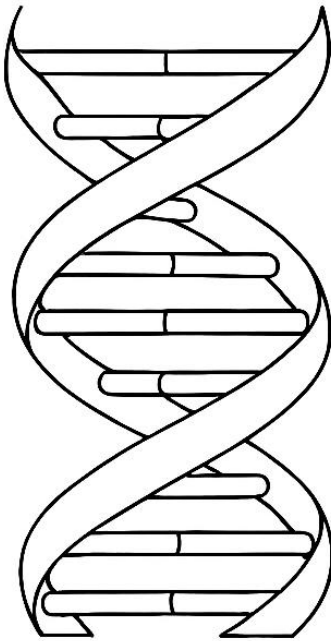
Lesson: DNA

Name:

Teacher:

Date:

Deoxyribonucleic Acid Worksheet



Part A: Label the Diagram (4 points)

1. Label the sugar-phosphate backbone.
2. Label the base pairs:
3. Label the four bases: adenine (A), thymine (T), cytosine (C), guanine G
4. Draw arrows to show A-T and C-G pairing

Part B: Multiple Choice (4 points)

- | | |
|-----------------------------------|------------------------------------|
| 5. Which base pairs with adenine? | 8. Which of the following is |
| A) cytosine | NOT a nitrogen base in DNA? |
| B) guanine | A) adenine |
| C) thymine | B) thymine |
| D) adenine | C) uracil |
| | D) guanine |

Part C: Fill in the Blanks (2 points)

9. DNA stands for _____
10. The four bases in DNA are _____



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Answer Key

Part A:

1. Sugar-phosphate backbone = sides of the helix
2. Base pairs = rungs of the helix
3. A, T, C, G labeled correctly
4. Arrows showing A–T and C–G pairing

Part B: 5. C) Thymine

6. B) Double helix

7. B) Sugar-phosphate backbone

8. C) Uracil

Part C: 9. Deoxyribonucleic Acid

10. Adenine, Thymine, Cytosine, Guanine