DNA STRUCTURE Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write out the full name of DNA.

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2. What is a gene?

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3. Where in the cell are chromosomes located?

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4. DNA can be found in what two organelles?

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5. What two scientists established the structure of DNA?

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6. What is the shape of DNA?

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7. What are the sides of the DNA ladder made of?

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8. What are the rungs of the DNA ladder made of?

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9. What sugar is found in DNA?

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10. What sugar is found in RNA?

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11. How do the bases bound? Adenine with Guanine with

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12. The two purines in DNA are

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13. The two pyrimidines in DNA are

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14. DNA is made of repeating units called

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15. Why is RNA necessary to act as a messenger?

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16. Why can’t the code be taken directly from DNA?

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17. Proteins are made where in the cell?

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18. Why is DNA called the “blueprint of life”?

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