DNA and DNA Replication

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|  |  |  |  |  |  | 1  N |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | I |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 2  A | N | T | I | S | E | N | S | E |  |  |  |  |  |  |  |
|  |  |  |  |  |  | R |  |  |  |  |  |  |  |  |  | 3  P |  |  |  |
|  |  |  |  |  |  | O |  |  |  |  |  |  |  |  |  | R |  |  |  |
|  |  |  |  |  |  | G |  |  | 4  N |  |  | 5  D |  |  |  | O |  |  |  |
|  |  |  | 6  H |  |  | E |  | 7  P | U | R | I | N | E |  | 8  S | T | A | H | L |
|  |  |  | Y |  |  | N |  |  | C |  |  | A |  |  |  | E |  |  |  |
|  |  |  | B |  |  | O |  |  | L |  |  | L |  |  |  | I |  |  |  |
|  |  |  | R |  | 9  N | U | C | L | E | O | T | I | D | E |  | N |  |  |  |
|  |  |  | I |  |  | S |  |  | U |  |  | G |  |  |  | C |  |  |  |
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|  |  |  | D |  |  |  |  |  |  |  |  | S |  |  |  | D |  |  |  |
|  | 10  C | O | N | S | E | R | V | A | 11  T | I | V | E |  |  |  | E |  |  |  |
|  |  |  | A |  |  |  |  |  | H |  |  |  |  |  |  | S |  |  |  |
|  |  |  |  | 12  D | E | O | X | Y | R | I | B | O | S | E |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 13  H | Y | D | R | O | G | E | N |  |  |  |  |  |  |  |  |  |
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| **Across**  **2.** This strand contains the DNA that is NOT a template  **7.** There are 2 types of bases, pyrimidine and ......  **8.** Mesellson worked with ..... to prove the semi-conservative model  **9.** A full .......... contains a sugar, phosphate group and a nitrogenous base  **10.** There are 2 theories about DNA Replication: ............ and semi-............  **12.** What sugar is present in DNA?  **13.** These bonds hold Adenine and Thymine together | **Down**  **1.** ........... bases are part of DNA  **3.** What is a DNA Extron used for?  **4.** DNA Replication takes place in the ......  **5.** This enzyme "glues" the DNA monomers together  **6.** Mesellson and his partner proved their theory with this.  **11.** How many bonds hold Cytosine and Guanine together? |