**Review for Retake of DNA structure and DNA replication Exam**

*Answer the following questions:*

1. What is DNA?
2. What does DNA stand for?
3. Who discovered the structure of DNA?
4. What is the monomer of DNA?
5. What is the base-pair rule?
6. Name the three parts of a nucleotide.
7. What holds the two strands together?
8. Use the base-pair rules to determine the base sequence for the complementary strand to: ACGATTG
9. A plant’s nucleotides that are 20% Adenine, What percentage of guanine would be present?
10. Describe what happens at a DNA replication fork during replication.
11. Describe the role of helicase and DNA polymerases during replication.
12. Why is DNA replication a semiconservative process?
13. What is the result of DNA replication?