

Name answer key Date \_\_\_\_\_

## DNA REPLICATION

Answer the questions about DNA replication below.

1. What is the purpose of DNA? to provide characteristic for individuals.
2. DNA is made up of many smaller pieces called nucleotides. What is a nucleotides made up of?
  - sugar
  - phosphate
  - nitrogen base
3. List the four bases of DNA A, T, G, C.
4. During DNA replication, two DNA strands are produced. Each new DNA molecule has one new strand and one old strand.
5. During DNA replication, the enzyme DNA polymerase adds base pairs in order to create the new strands.
6. In what way is DNA like a book? it can be read like a code to make protein
7. What is the enzyme that unwinds the DNA molecule during replication? helicase.
8. Watson & Crick determined that the shape of DNA is a double helix.