

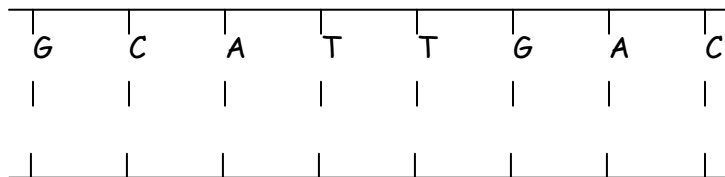
Period: _____

Name: _____

Date: _____

DNA STRUCTURE AND REPLICATION LAB QUESTIONS

1. A partial strand of DNA has the nitrogen base pattern shown below. In the spaces provided, write in the matching nitrogen bases that will complete the DNA strand (see page 135 for hint).



2. A partial strand of DNA has the nitrogen base pattern shown below. In the spaces provided, write in the matching nitrogen bases that will complete the DNA strand (see page 135 for hint).

-adenine - _____
-cytosine - _____
-adenine - _____
-guanine - _____
-guanine - _____
-thymine - _____
-adenine - _____

3. The Shape of a DNA molecule is called a "**double helix**". Describe this shape in your own words (see page 135 & Figure 14).
4. How is the DNA molecule replicated (see page 136 & Figure 15)?
5. Heredity information is carried in the DNA of an organism, and the genetic traits are passed on from generation to generation through reproduction. How does the DNA replication process ensure information is transmitted accurately (see page 135 & Figure 14 & page 136)?