Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DNA Quiz

1. Name this structure.  
deoxynucleic acid  
deoxyribonucleic acid  
denatured ribonucleic acid  
deoxoribonuclear acid

2. Adenine always pairs with:  
thymine  
cytosine  
guanine  
ribose

3. The "rungs" of the DNA ladder are made of:  
phosphates and hydrogen  
glucose and sugars  
sugars and phosphates  
base pairs

4. The process by which DNA makes a copy of itself is called:  
synthesis  
replication  
transcription  
translation

5. A gene is:  
a segment of DNA that codes for a protein  
a set of homologous chromosomes  
a molecule within DNA  
a type of pants

6. The twisted ladder shape of DNA is called a:  
hydrogen twist  
deoxyribose flip  
double helix  
double membrane

7. The sugar found in DNA is:  
equal  
deoxyribose  
ribose  
glucose

8. The sugar found in DNA is:  
equal  
deoxyribose  
ribose  
glucose

9. Which of the following takes the genetic code to the cytoplasm:  
DNA  
deoxyribose  
tRNA  
mRNA

10. RNA differs from DNA in that:  
it has a different kind of sugar  
it is single stranded  
it has uracil  
all of these