Name _____ Date _____

DNA & RNA WORKSHEET

Answer the questions about DNA and RNA below.

transcription	double helix	ribosome	hemoglobin	sickle cell
translation	nucleotides	phosphate	bases	mRNA
deoxyribose	cytosine	thymine	replication	proteins
ribose	DNA	uracil	gene	hemoglobin

1. The process by which DNA is made into RNA is called: _____
2. Sugar alternates with this molecule on the sides of the ladder: _____
3. DNA is made of repeating subunits called: _____
4. A section of DNA that codes for a protein is a _____
5. The sugar molecule found in mRNA is _____
6. DNA is in the shape of a: _____
7. In DNA, Adenine always pairs with _____
8. These make up the rungs (center) of the DNA ladder, can be 4 different types: _____
9. The process by which DNA makes a copy of itself: _____
10. The molecule of heredity, contains the "blueprint" for building an organism: _____
11. Sugar found in DNA, makes up the sides of the ladder: _____
12. A base found in RNA but not DNA: _____
13. Amino acids join together to make _____
14. Guanine always pairs with _____
15. This molecule takes the message from DNA to the ribosomes: _____
16. The process by which RNA is made into protein is called: _____
17. Any change in DNA is called a _____
18. A protein that makes up blood cells: _____
19. Blood cells have an abnormal shape because of a mutation in the DNA, causing _____ disease.
20. These structures in the cell build proteins based on the code: _____