Objective: The purpose of this assignment is to DNA is used to build a protein.	give you a better understand of h	ow the message found on a molecule of
Link 1 – DNA and RNA Comparison http://w	ww.diffen.com/difference/DNA_	vs_RNA
1. Use the information in the table to complete	e the following comparison table:	
	DNA	RNA
A. Structure: How many strands are in each nucleic acid molecule?		
B. Structure: What sugar is found in each nucleic acid molecule?		
C. Base-Pairing: What are the base pairing rules in each nucleic acid molecule?		
D. Location: Where in the cell can each nucleic acid molecule found?		
E. Stability: How easy is it for an enzyme to attach each nucleic acid molecule?		
F. Unique Features: Describe how UV light affects each nucleic acid.		
 Scroll down until you see the section titled " Remember, half an answer only gets half the cr Messenger RNA (mRNA): 	edit. ©	
B. Transfer RNA (tRNA):		

Link 2- General Information about Proteins https://learn.genetics.utah.edu/content/basics/proteins/ 3. Proteins make up _____% of the dry weight of a human body. 4. What single protein holds our hair, skin, nails and bones together? 5. a. Proteins are made of building blocks called acids. b. How many amino acids are used to build our proteins? 6. List the 6 high protein foods described on the website: _____ 7. What happens to a protein when we eat it? How are the amino acids reused? **Link 3- More Information about Proteins** https://www.wisc-online.com/learn/natural-science/life-science/ap13304/biomolecules---the-proteins Read and click through the slides and answer these questions as you go. 8. Fill in the blanks: Proteins are built from _____ common building blocks called ______. 9. What identifies the various amino acids? ______ 10. What determines the **primary structure** of a protein? 11. What kind of bond connects the amino acids together? _____ 12. What kind of bonding results in the **secondary structure** of a protein? 13. Give 2 examples of <u>secondary structures</u> in a protein: _____ and ____ 14. What determines the function of a protein? ______ 15. When a protein is destroyed it's called "denaturing" the protein. List 4 things that can cause the destruction of a protein: 16. Why are animal proteins considered "complete proteins?" 17. Why are plant proteins considered "incomplete proteins?" ______