Name :	Date :
NA STRUCTURE &	FUNCTION PRACTIC
elcome to your RNA adventure! In this workshe Read each question carefully and answe	et, you'll explore the structure and functions of l r using your knowledge and critical thinking. e decoding the molecules of life!
A. RNA Basics -	- Fill in the Blanks
Complete the following sen	tences with the correct terms
RNA stands for	
Unlike DNA, RNA contains the sugar	
The nitrogenous base uracil in RNA replaces	found in DNA.
RNA is usually stranded.	
The three main types of RNA are,	, and
B. True or False -	- Decode the Truth
Write T for True or F for F	alse next to each statement:
mRNA stands for "messenger RNA" and ca	rries the genetic code from DNA.
tRNA brings amino acids to the ribosome du	uring translation.
rRNA is found in the cytoplasm and copies [ONA into RNA.
RNA can act as enzymes called ribozymes.	
All types of RNA are directly involved in prote	ein synthesis.
C. Short Answe	er – Think Deeply
Answer the following qu	uestions in 1–2 sentences
Why is RNA essential for protein synthesis?	
How is mRNA created in the cell?	
What might happen if tRNA malfunctions?	