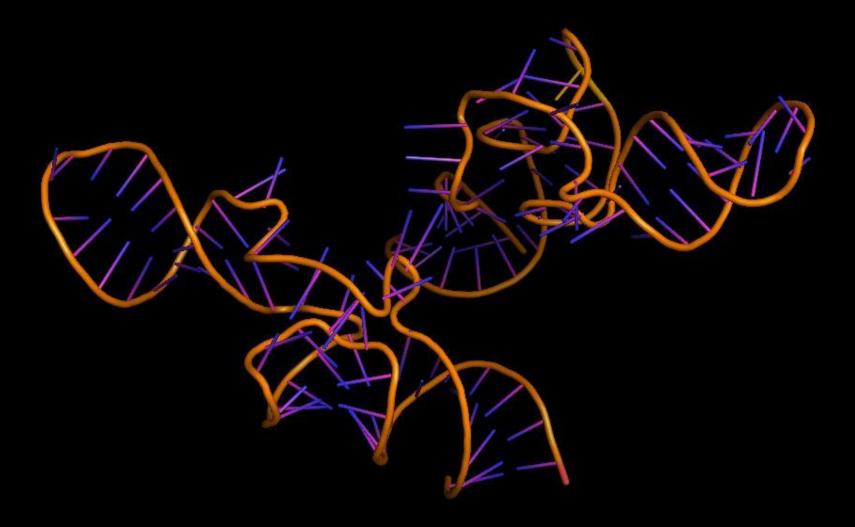
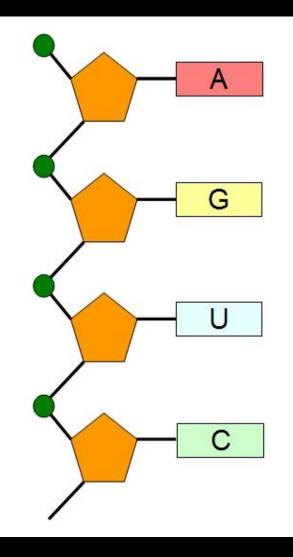
Types of RNA



Learning Objectives

 Name the three types of RNA and describe the purpose of each

RiboNucleic Acid - RNA

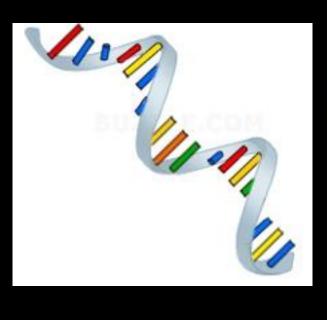


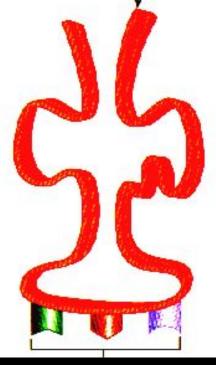
 RNA is a chain of nucleotides containing a nitrogenous base, ribose sugar and a phosphate.

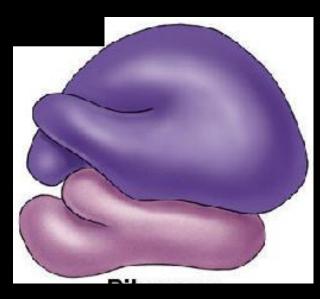
 RNA has uracil instead of thymine

Various RNAs

Don't write, just listen





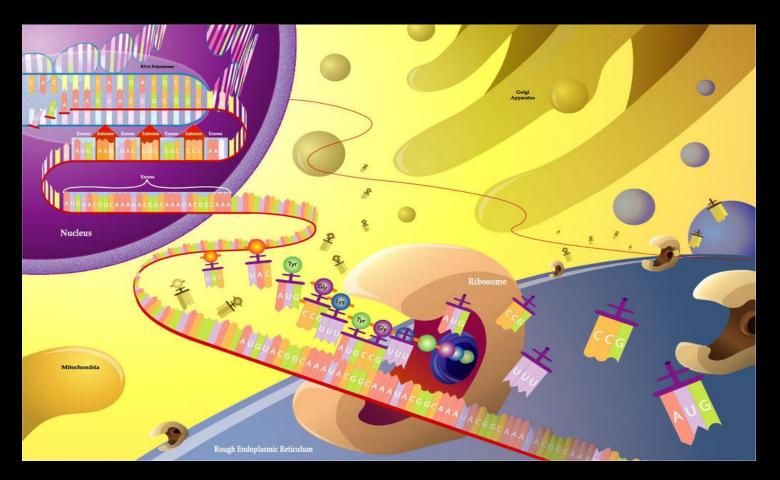


rRNA

tRNA

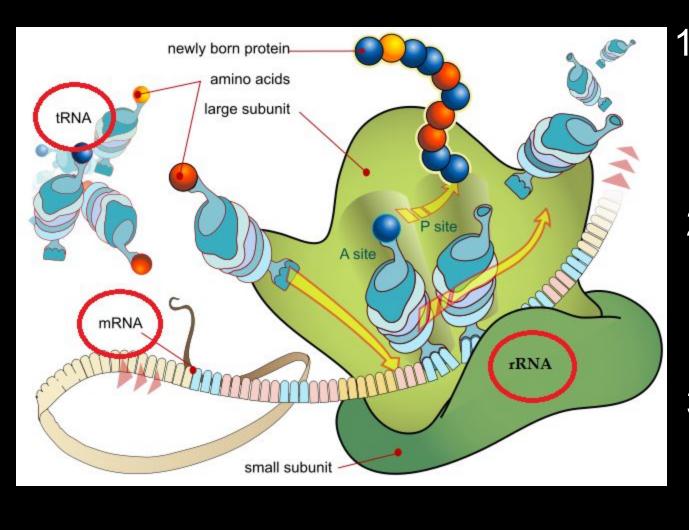
RNA comes in a variety of different shapes and types.

Function of RNA



Convert the information stored in DNA to make proteins.

Protein Synthesis Requires Three Types of RNA

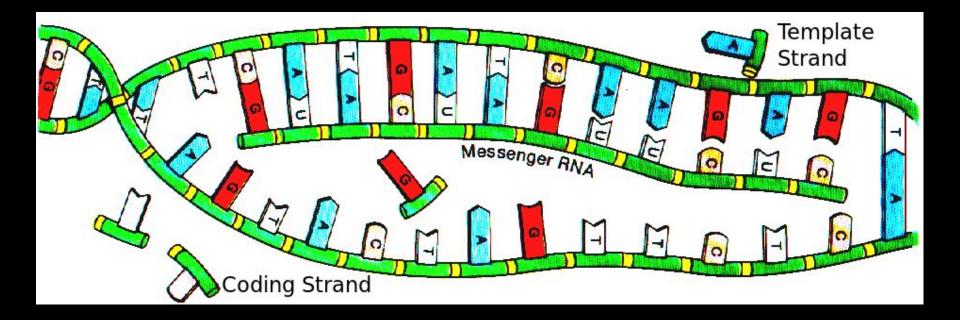


1. mRNA -Messenger RNA

2. tRNA -Transfer RNA

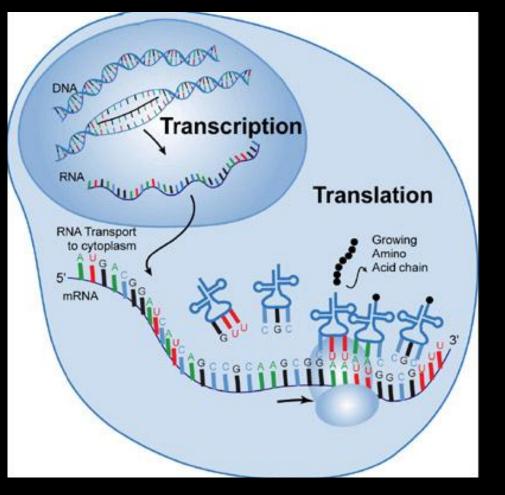
3. rRNA -Ribosomal RNA

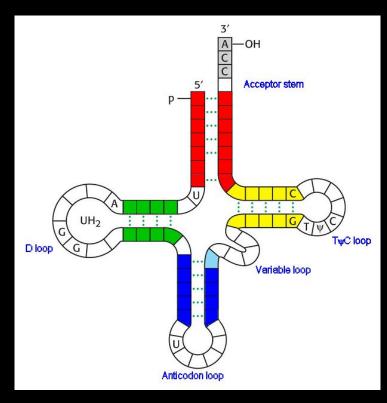
Messenger RNA (mRNA)



mRNA molecules carry copies of instructions for making proteins from the nucleus to the ribosome.

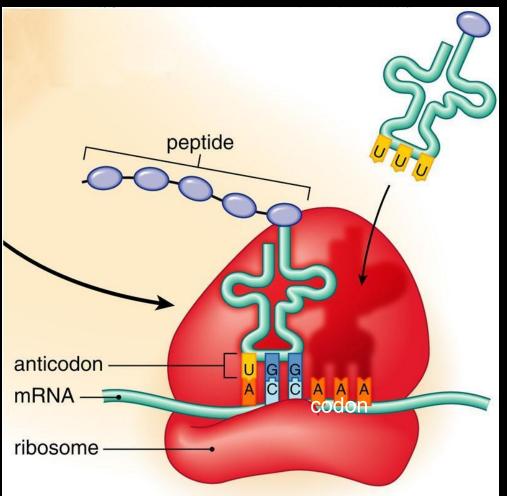
Transfer RNA (tRNA)





tRNA molecules carry amino acids to the ribosome and transfers it to a growing protein chain.

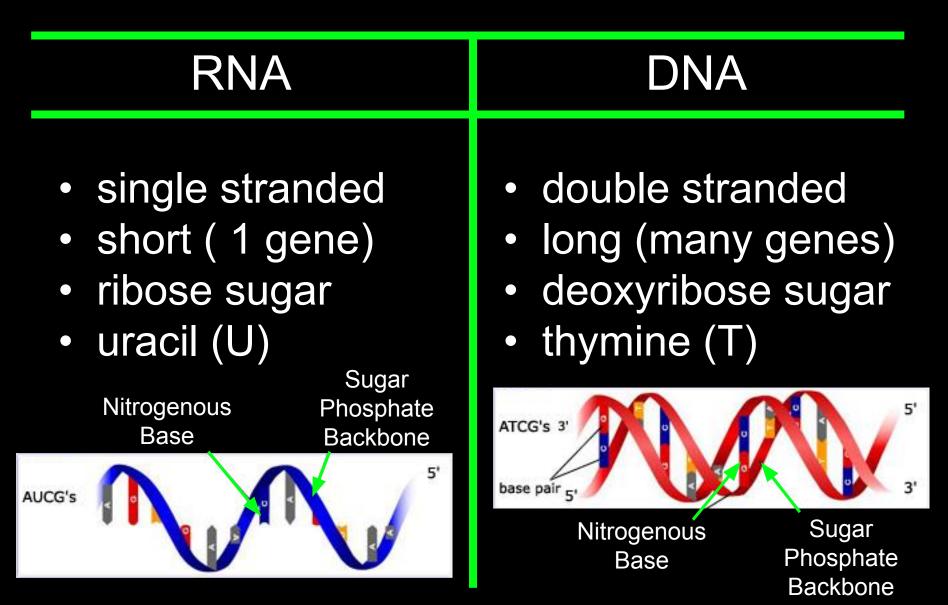
Ribosomal RNA (rRNA)



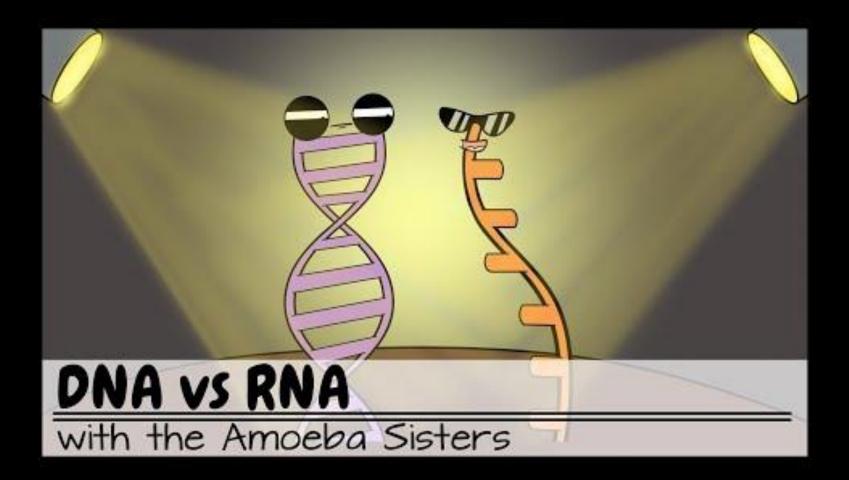
rRNA is a part of a ribosome

 Couples mRNA codons with tRNA anticodons during protein synthesis.

RNA vs DNA



DNA vs. RNA



Stop Here

