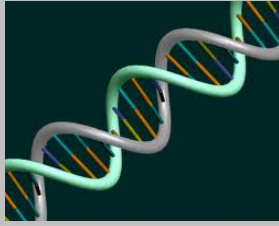


Types of Nucleic Acids

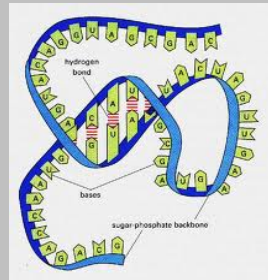


DNA

click on words to jump to page

RNA

click on words to jump to page



Main Goal:

Click to reveal

To store genetic information that will eventually be translated into a protein.

DNA

DNA =
Deoxyribonucleic Acid



Made of repeating nucleotides
made up of **deoxyribose** sugar,
phosphate and a base



Is a double-stranded
molecule found in the nucleus

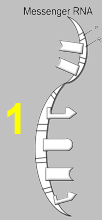


DNA base pairing rules:
A pairs with T
C pairs with G



RNA

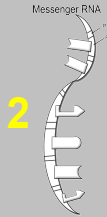
RNA =
Ribonucleic Acid



Made of repeating nucleotides
made up of **ribose** sugar, phosphate
and a base



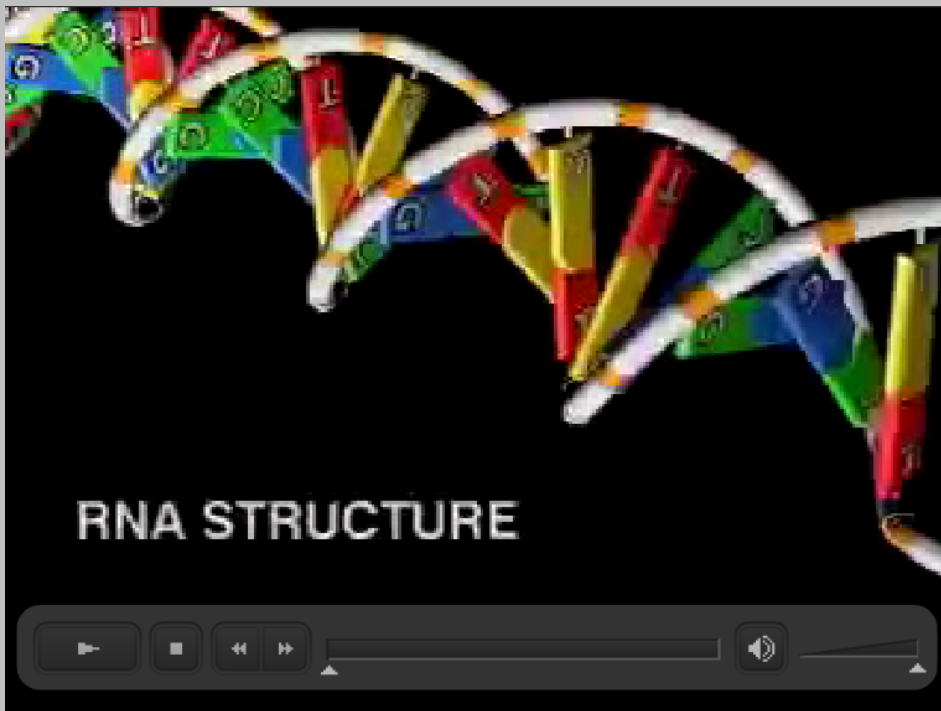
Is a single-stranded molecule
found throughout the cell



RNA base pairing rules:
C pairs with G
T pairs with A
A pairs with U (uracil)



RNA compared to DNA



Complimentary Base Pairing

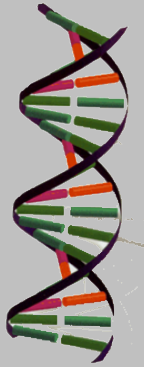
Click to reveal

DNA
Sample Strand

T
A
C
C
G
C
T
A
C
C
A
T

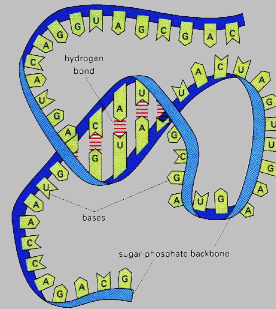
What will the
complimentary
strand of DNA be?

Click to find out



What will the
complimentary
strand of RNA be?

Click to find out



When nitrogen bases pair together it is called
Complimentary Base Pairing.

DNA
Sample Strand

T
A
C
C
G
C
T
A
C
C
A
T

T
A
C
C
G
C
T
A
C
C
A
T

A
T
G
C
G
A
T
G
T
A

T
A
C
C
G
C
T
A
C
C
A
T

A
U
G
C
G
A
U
G
G
U
A

