

Mr. Ulrich
Biology 10R

Name _____

The DNA Video Worksheet

Directions: Follow along with the video. The questions go in order of the film. These will be collected at the end of class. I *may* decide to count this as yet another quiz.

Part IV: DNA

Part A)

What are the four bases in DNA?

What specifically does DNA "code for"?

Where is DNA usually found?

Part B)

What part of the DNA molecule contains the "code"?

What type of bonds holds the base pairs in DNA together? Why is this important?

Which bases are complementary (make up a pair)?

How are genes and genome different?

How does DNA save space?

What, other than DNA, is found in chromosomes?

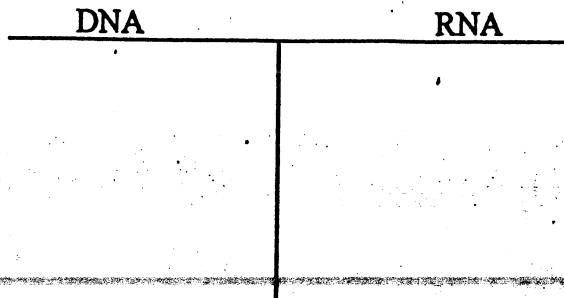
Part V: RNA?

Part A)

What is the chain of synthesis in cells?

More on the back!

Compare DNA to RNA



Are these silent movies
stupid or what?

Part B)

Poly- =

Polymer =

-ase =

enzyme =

fill in the blanks:

_____ is the process by which _____ RNA (or mRNA) is made from _____.

Which organelle is the site of protein synthesis?

What is the function of RNA polymerase?

Don't worry about RNA processing and snRPS. Its kinda interesting though.

Fill in the blanks again:

_____ is the process by which _____ are synthesized.

What molecule provides the template for protein synthesis?

What is a codon?

What is a protein?

Fill in the blanks again:

An organisms _____ define function for that organism by defining the _____ sequence, which yield it's _____ and it's _____.