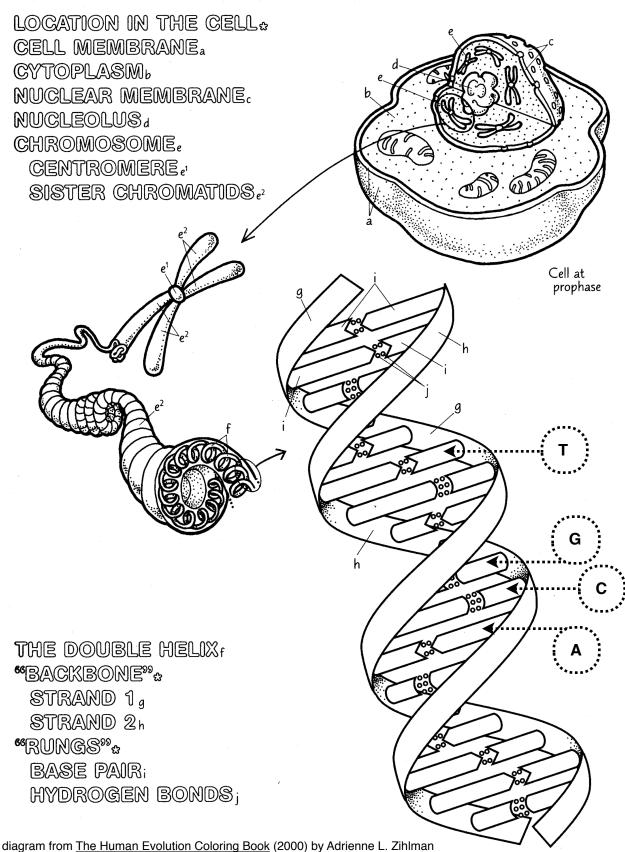
Genetics Name:

DNA: The Double Helix Period:

DNA: THE DOUBLE HELIX



DNA: The Double Helix	Period:
	structure of DNA, and the relationship between DNA and elp you. Some of the questions are review from what we nish that part of the instructions.
1. Look at the cell in the upper right. Does it come from	om a prokaryotic or eukaryotic organism? [p.118-119]
The cell isbecaus	e
2. Color the NUCLEAR MEMBRANE orange \square . Wh	nat happens to the nuclear membrane during mitosis? [p.154]
First, the nuclear membrane	, then it
3. Color the CHROMOSOME (e), CENTROMERE(e ¹) one sister chromatid compare to the DNA of the other), and CHROMATIDS(e^2) yellow \square . How does the DNA of rone attached to it? [p.153]
The DNA is	
4. What are chromosomes and chromatids made of?	[p.153]
"ladder" are referred to as strands, which form the "ba form your shape. Color the letters in the word BACK	t its shape is like that of a twisted ladder. The sides of the ackbone" of the DNA molecule, just like your spine helps to BONE by alternating pink and light blue . Color STRAND 1
(g) pink \square , and STRAND 2 (h) light blue \square . This shot the other. What are the strands made of? [p.210]	ould help you to see how each one of the sides twists around
The strands are made of	parts and parts.
6. How many strands are in a molecule of DNA? [loo.	k on the diagram or check p.210]
7. So, why is the molecule of DNA referred to as a do	puble helix? [p.210]
It is called a double helix because	
one of four different labels: A, T, G, or C. These labe	A. These are made of parts called bases. A base can have its are abbreviations for longer names of the molecules that certain ways. What are these ways? [look on the diagram or
always pairs with	always pairs with
9. You are now going to color-code all of the bases (colors:	rungs) in the double helix on the coloring page. Use these
A—use blue, if the base looks like a pointing	arrow .
T-use red, if the base looks like a pointing a	arrow can fit into it \square .
G-use green, if the base looks like it has a l	oump on the end \square .
C—use purple, if the base looks like it has a	curved bite taken out of it \square .
	pointing to it so you can see what it looks like. You will double helix has been colored. Last, color each of the letters d - green - purple

Name:

Genetics