Name	Block Date
	Journey into DNA Interactive (22 pts)
1-2 of 15: Where is the h compare? (2 pts)	numan genome located in the human body? How does the genome in each cell
4 of 15: What <u>organelle</u>	contains the human <u>genome</u> ? What is the <u>function</u> of this organelle? (2 pts)
5 of 15: How is the hum	an <u>genome, chromosomes,</u> and <u>genes</u> related to each other? (2 pts)
8 of 15: What is a <u>gene</u> ।	made of, and what does it do? (2 pts)
12 of 15	
Draw the double helix (1 pt)	What is the <u>shape</u> of the DNA molecule? (1 pt)
	Who are the 3 scientists most responsible for discovering DNA's structure?
	(3 pts)
13 of 15	Miles die des DNA medie medie medie af 0 (4 m)
Draw the picture shown (1 pt)	What is the DNA molecule made of? (1 pt)
3 (± pc)	Which <u>bases pair</u> together? (2 pts)
14 of 15 What <u>2 things</u> do the <u>sic</u>	des of the DNA ladder consist of? (2 pts)
What are the 3 parts of a	a nucleotide? (3 pts)

## **DNA Short Answer Questions**

1.	De	Describe the structure of the DNA molecule with as many details as possible. (10 pts)		
	0	Key vocabulary: adenine, complimentary base pairs, cytosine, deoxyribose, DNA, double helix,		
		guanine, hydrogen bond, nitrogenous base, nucleotide, phosphate, sugar-phosphate backbone,		
		thymine		
2.	De	Describe the organization of genetic information with as many details as possible. (4 pts)		
	0	Key vocabulary: chromosome, gene, genome, homologous pair		
3.	De	scribe the roles or functions of DNA in living things with as many details as possibly. (4 pts)		
	0	Key vocabulary: heredity, protein, trait, variation		