	Name:	Period:
	<b>Greatest Discoveries with Bill Nye: Genetics</b>	
	- Laws of Inheritance  Mendel noticed that when he crossed a round pea and a wrinkled one, the offspring were	
2.	Mendel's factors are called	
	- Genes are Located on Chromosomes  Dropsphila melanogaster is known as the common	
4.	Human females have 2 chromosomes, while human males have 1 and 1	_ chromosome.
5.	Morgan was awarded the Nobel Prize for Medicine in the year	
	- Genes Control Biochemical Events  Mold is easy to grow and has simple nutritional need:	·
7.	Beadle and Tatum's breakthrough is known as: "The One, One	Hypothesis".
	- Transpososns Which woman became one of the most distinguished scientists of the 20 <sup>th</sup> century?	
9.	A break in the chromosome occurred when a randomly from one c	thromosome to another.
10	. Which basketball hero has a transposon named for him?	
11	. When did Barbara McClintock finally win a Nobel Prize for Medicine?	
_	- DNA Carries Genetic Material  Bacteriophage consists of a protein shell and	
13	. Hershey was awarded the Nobel Prize in	
	- The Double Helix  DNA was composed of 4 bases represented by the letters:,, &	
15	. Watson & Crick used the X-Ray of a DNA molecule taken by	
16	. What did Rosalyn Franklin die of?	
_	- Messenger RNA  . Scientists found that cells with lots of protein production contained lots of	
	- The Genetic Code  . How many amino acids are involved in the production of proteins?	
19	. Every living thing has the same	
#9- Restriction Enzymes 20. The breakthroughs that led to these greatest discoveries would not have happened if not for		
21	. With restriction enzymes, scientists had a pair of molecular to to	DNA molecules.
	0- RNA Alternative Splicing  . Some genes are able to code for more that 1	
	1- Minisatellite DNA  . Alec Jeffries called these repeated sequences DNA.	
	2- RNA Interference . In 1997, Fire and Mellow were injecting RNA into the cells of a	
	3- 25,000 Genes . The human DNA genome is made up of genes.	