Name:	Do	ate:	Period:	
What Does a Geneticist Do?	By Cindy Grigg			edHelper.
Scientists who study genetics study ginherited by offspring because their pare eye color as your mother or father? Do to traits, are inherited. They are passed from that occupies a specific place on a chronorganism. Even the fact that you were be found in the nucleus of each cell. When a one cell from the mother. This tiny cell conew person - you! If you are a boy, you were chromosome. If you are a girl, you were mother could only give you an x chromosy chromosome. The information in the Dieyes you would have, the color of your hroll your tongue.	nts had these charact wins "run" in your famm your parents to you nosome. DNA determent a boy or a girl was a baby is made, one ontains all the informativere given DNA from your some. Girls have two NA you inherited from	eteristics. Do you han a hily? These characted by genes. Genes hines a specific trait is determined by geneell from the father ation stored in DNA your father containing a x chromosomes, and your parents also	ve the same eristics, or contain DNA in the nes. DNA is joins with to make a ing a "y" in "x" chromodetermined v	an x and a what color of
The first geneticist was Gregor Mendel. In 1865 he published a paper describing experiments he did with garden peas. He noticed that certain traits in the parent plants could be predicted to occur in a certain percentage of the offspring. Traits like plant height, blossom color, color of peas, and whether the peas were wrinkled or smooth appeared to be passed down from the parent plant to the offspring. Mendel did not know about DNA or chromosomes, and he could not explain how these traits were passed down. His work was mostly ignored for many years.				
Only recently did scientists finish ma human DNA. Scientists believe this will have treatment and prevention of these disdoctors who treat and counsel patients was diseases are Down's syndrome, Hunting fibrosis. Genetics is a very new career choice	nelp them understand seases. This work is who have a genetic di ton's disease, sickle-	I many inherited dis what a geneticist do sease. Some exam cell anemia, muscu	eases and co bes. Many gen ples of these	ould lead to neticists are inherited , and cystic
What do geneticists study? Genes and heredity Old people Plants Babies		2. What determines a Luck B DNA		
3. Where is DNA found? A In the mitochondria B In the cell wall C In the cytoplasm D In the nucleus of a cell		4. If you are a boy, w you get from your A A y chromo B An x chrom	father? some	romosome did
5. Girls have two chromosomes. A XY B Y C X		6. Who was the first Charles Da B Albert Einst C Gregor Mer D Galileo	rwin ein	
7. The first experiments on heredity used who A Green beans B Corn C Sunflowers	at kind of plants?	8. Mendel's work wa A False B True	s an immediate	e success.

D Peas