	Period:	Date:			
HTS OF THE S	STUDENTS IN N	MY BIOLOG	SY CLASS?		
INTRODUCTION Polygenic inheritance occurs when many genes interact to produce a single trait. The genes may be on the same chromosome or on different chromosomes, and each gene may have two or more alleles. Each allele contributes a small, but equal, portion to the trait being expressed. The result is that the phenotypes usually show a continuous range of variability from the minimum value of the trait to the maximum value. In humans, height is controlled for more than two genes. In this activity, you are going to measure the height of the students in the class in centimeters, and record the information on a data table. Then you are going to make a graph with you results. If it is true that more than two genes control height in humans, then your graph should have the shape of a bell.					
paper	pe	n or pencil			
 INSTRUCTIONS Measure the height of the students in centimeters. Record the information in the data table. Make a graph with the information gathered. Arrange by shortest to tallest person. Data Table: Height of Students in my Biology Class 					
		ts	Height in cm.		
	when many ge chromosome or s. Each allele co sult is that the pm value of the ted for more than udents in the clarhen you are go s control height paper	when many genes interact to prochromosome or on different chrons. Each allele contributes a small sult is that the phenotypes usuall m value of the trait to the maximulated for more than two genes. In the udents in the class in centimeters. Then you are going to make a grass control height in humans, then paper per per per per per per per per per	chromosome or on different chromosomes, and is. Each allele contributes a small, but equal, posult is that the phenotypes usually show a commodition will be defered to the trait to the maximum value. The defered that two genes. In this activity, you dents in the class in centimeters, and record to the fine that the class in centimeters, and record to the fine that the class in centimeters are graph with you resonant to the defered to the students in centimeters. The students in centimeters are in the data table. The students in centimeters are information gathered. Arrange by shortest to the interior matter that the control is the control of the students in centimeters. The students in the data table. The students in my Biology Class		

Name:		_Period:	_Date:
Questi		nance then how	many total heights
2.	If height was determined by incomplete dom heights would there be?	ninance then how	w many different
3.	What does the prefix poly mean?		
4.	What do you think the suffix -genic refers to	?	
5.	What is a polygenic trait?		
6.	Polygenic traits show a wide variety of phen traits.	otypes. Name t	wo other polygenic