DNA and GeneticsLab Journal



Student Name: _____



Vocabulary

WORD	DEFINITION	PICTURE
Cell		
Chromosome		
Dominant		
DNA (deoxyribo- nucleic acid)		
DNA sequence		
Gene		

Post-Visit Journal

Post-Visit Journal

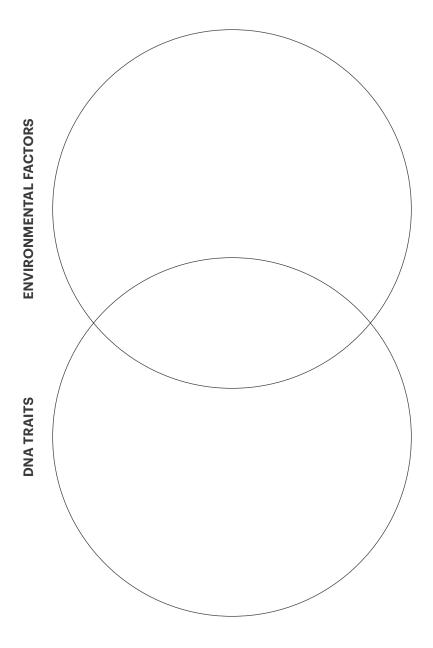
Vocabulary

WORD	DEFINITION	PICTURE
Genotype		
Phenotype		
Punnett square		
Recessive		
Trait		

Pre-Visit Journal		

Venn Diagram

Include at least 3 things in each space of the Venn diagram to demonstrate your understanding of how environmental factors and DNA traits are shown in humans.



Notes and Connections	Pre-Visit Journal
If you get a chance to see an IMAX film, visit the galleries or participate in other experiences at The Tech Interactive, look for connections between the lab content and your other experiences. Look for information about human bodies, traits, and the relationship between people and the environment. What do you find?	
HUMAN BODIES	
What did you see/learn? Where?	
TRAITS	
What did you see/learn? Where?	
PEOPLE AND THE ENVIRONMENT	
What did you see/learn? Where?	

My Questions

Questions I want to ask about DNA and genetics: Answer: Answer: _____ Answer:

Lab Questions

1. What is one example of a **human trait**?

2. Cell Experiment. Sketch the cells you see using the microscope.			
3. What type of cells	are cheek cells? Circle your answer.		
A. Cuboidal			
B. Columnar			
C. Squamous	C. Squamous		
DNA Extraction E following material	xperiment. Describe the purpose of each of the ls.		
MATERIAL	PURPOSE		
Dish soap			
Isopropyl alcohol			