

Name: _____
Mr. Willis
Biology: _____
Date: _____

Unit VII
Biology – Heredity
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VII

Hereditary Traits Class Activity

Background information

Many of your traits are visibly shown and are known as your _____.

How a particular trait appears within your chromosomes is your _____.

Traits may be _____ or _____.

The traits listed below are all caused by dominant alleles. Complete the table below for each trait.

Trait - Phenotype	You have trait	# in class with trait	Your possible genotypes
Freckles (D)			
Widow's peak (W)			
Free earlobe (F)			
Straight thumb (N)			
Chin cleft (C)			
Mid-digit hair (H)			
Round face shape (S)			
Tongue rolling (R)			

Construct a graph representing the data for the entire class. Be sure to include all the labels and titles required.

Use the graph to answer the following questions.

1. Which two traits are the most common in the class?

2. A friend of yours has dimples. His father also has dimples, but his mother does not. What is your friend's genotype? (D=dimples, d=no dimples) Explain how you're able to determine this.