

### Human Traits Survey

Genetics is the study of **heredity** and the means by which traits or characteristics are passed on from generation to generation. In this exercise, you will examine the following characteristics in members of the class.

1. Circle the phenotype for each trait that you have in the list below.
2. Record the number of students that exhibit the same traits as you.
3. Find out the percentage of your classmates that exhibit the same traits as you.

Human Trait	Dominant Phenotype	Recessive Phenotype	# of classmates who have the dominant phenotype	# of classmates who have the recessive phenotype	# of Classmates who share your phenotype	% of Classmates who share your phenotype
Tongue-rolling	Roller	Non-roller				
Tongue-folding	Folder	Non-folder				
Bent little finger	Bent	Straight				
Widow's Peak	Present	Absent				
Freckles	Present	Absent				
Hitchhiker's Thumb	Straight thumb	Hitchhiker's thumb				
Earlobe	Free	Attached				
Chin cleft	Absent	Present				
Hand clasping	Left thumb over Right thumb	Right thumb over Left thumb				
Arm Folding	Left arm over Right arm	Right arm over Left arm				
Hairy middle joint of fingers	Hairy	Non-hairy				
Round face	Oval	Round				
Curly hair	Straight hair	Curly hair				
Phenylthiocarbamide (PTC) taster	Taster	Non-taster				
Eye color	Non-blue	Blue				
Hair color	Non-red	Red				
Eyelash length	Long	Short				
Index finger length	Long (in females) Short (in males)	Short (in females) Long (in males)				
Hallux (big toe) length	Shorter than 2 <sup>nd</sup>	Longer than 2 <sup>nd</sup>				
Dimples	Present	Absent				

**Conclusions based on class data?**