

Phenotypes Page

Individual Responsibilities: You need to research then describe some common phenotypes (physical characteristics) that are present in your family and identify which traits are dominant and which ones are recessive. Once you have made a list of phenotypes, you must accurately draw Punnett Squares tracing the trait back. The probability of you or your children receiving the trait should also be thoroughly explained.

Check all that apply

T	S	Exceptional	T	S	Proficient	T	S	Not Yet Proficient	T	S	Experiencing Difficulty
		You have thoroughly listed and explained traits (what they are and if they're dominant or recessive) present in your family.			You have listed and explained traits (and stated if they're dominant or recessive) that are present in your family.			You have attempted to list and explain traits (what they are and if they're dominant or recessive) present in your family.			Your explanation of traits that are present in your family is inaccurate or incomplete.
		Punnett Squares accurately trace one of your family's dominant phenotypes back 2 generations (your grandparents).			Punnett Squares accurately trace one of your dominant phenotypes back 1 generation (your parents)			Parts of your Punnett Squares are inaccurate, but do not interfere with the understanding of when a phenotype is dominant.			Your Punnett Squares are inaccurate and therefore do not trace your family's genetic history.
		You have accurately and thoroughly explained the probability of you or your children having a specific dominant trait.			You have explained the probability of you or your children having a specific dominant trait.			Your math is inaccurate at one point but does not interfere with the end result of you or your children having a specific trait.			Your math is inaccurate and does not explain the probability of you or your children having a specific trait.
		You have used pictures to illustrate popular phenotypes as well as family photos to show the occurrence of a specific trait through many generations. Your pictures enhance the information you have presented and help the reader visualize the traits.			You have used pictures to illustrate popular phenotypes as well as family photos to show the occurrence of a specific trait through many generations.			You have used pictures to illustrate popular phenotypes or family photos to show the occurrence of a specific trait through many generations.			Your page lacks images or the images you have chosen overpower or distract the reader from your information instead of helping visualize the traits.

Comments: