Name		Class	Date	
	The state of the s	CALLOD	Date	10.00

Investigation 12 Inherited Human Traits

Use after completing Section 6.1.

Skills: Predict; Organize data; Cooperative learning; Graph; Calculate; Generalize; Infer

Background Information

Many inherited traits in humans are observable. Data Table 12.1 lists 11 observable inherited traits and shows which trait is dominant and which is recessive.

Data Table 12.1 Inherited Human Traits

Trait	Dominant	Recessive	
Hairline	Widow's peak (W) (pointed in front)	Straight across	
Earlobes ad of alone	Unattached (F) (free)	Attached	
Eyesight	Nearsightedness/Farsightedness (N)	20/20 vision	
Eye color	Brown or any other color except blue (B)	Blue	
Tongue-rolling	Roller (R) (can roll edges up)	Nonroller	
Freckles WOY GR 198 Detail	Present (C)	Absent 40 5 days 2000	
Space between two front teeth	Present (T)	No space	
Chin poy tast elder wo	Dimple in center (D)	No dimple	
Thumb bluode not wavius u	Hitchhiker's thumb (H) (last joint bends top of thumb backwards)	Straight	
Folded hands	Left thumb over right thumb (L)	Right thumb over left thumb	
Number of fingers per hand	6 (S)	5 अञ्चल क	

Problem

What are some observable inherited traits in humans? What is the relationship between the frequency of a trait in a population and whether the trait is dominant or recessive?

Goals

In this investigation you will conduct a survey of observable inherited traits in humans. You will graph your results and calculate the frequency of each trait in a population. You also will infer possible genotypes for some of the traits.