Heredi	ity & Genetics
TD A ITC	5 & THE ENVIRONMENT
IKAIIS	Some traits are not inherited or learned. These traits are the result of complex
-	between an organism's, factors and
	individual
	Environmental factors can affect the of certain traits that are inherited. In
	other words, things in the environment can what an organism looks like or
	how it functions because these factors affect the information in an organism's
	now it functions because these factors affect the information in an organism :
	light from the sun causes a person's skin to darken.
	 influences some rabbits' and cats' fur color. In the Himalayan rabbit,
	cold temperatures cause fur to turn black. In Siamese cats, cooler body regions (head &
	feet) cause fur to darken.
	influences flower color. Hydrangeas are blue when
	the soil pH is low. Hydrangeas are pink when the soil pH is high.
	The individual an organism makes can affect the traits of that organism.
	and are two things that often affect the physical
	of an organism. For example:
	A dog that eats and will be fit.
	A dog that eats and will be nt. A dog that eats a lot and lacks physical activity will be
	A dog that leaks a for and facks physical activity will be
	 A dog that lacks proper nutrition will be and its growth may be
_	What traits appear he influenced by the applicance and
•	What traits cannot be influenced by the environment?
	DE VIC AULIDTURE
NATUR	RE VS. NURTURE
•	There is a great scientific debate about what traits are controlled by genetics or
	"" and which are controlled by an organism's experiences or
	" "
•	We call this debate " vs" Many scientists believe that traits are the result of between
•	Many scientists believe that traits are the result of between
	an organism's genetics, environmental factors and individual choices. In other words, an
	organism's to certain things in the environment and that it
	makes will influence the inherited traits that are coded in an organism's
•	Some traits are influenced by what an organism is exposed to during its In
	other words, certain things in the environment, such as toxins or nutrients, can affect an
	organism's as an .