11-3 Other Patterns of Inheritance

Incomplete Dominance

* In some cases, some alleles are neither
* dominance – the lies somewhere homozygous phenotypes
* Look on page 319, what color was the offspring of the red and white flower?

Codominance

* In codominance, both
* In chickens, both a black and white chicken were crosses and the offspring were with both black and white feathers
* In humans there is a codominance factor that controls

Multiple Alleles

* Many genes exist in and are said to have alleles (two or more)
* A rabbit fur color is determined by a single gene that has
* What is one trait shown by humans with multiple alleles in humans?

Polygenic Traits

* These traits are produced by the

* Poly 🡪
* How many genes are needed to determine fruit fly eye color?
* How many genes control the skin color of humans?

Genes and the Environment

* Sometimes the actual of an organism can be influenced by the as well has the genes acquired
* The Great western butterfly has depended on the time they
* If the hatched in the spring their wings there wings were
* Why did this need to happen? Page 321