

Topic: Variation in Traits

Learning Objective/Outcome: understand how traits vary due to incomplete dominance, codominance, and mutation. Identify genetic and environmental variation in traits

Keywords/Questions

Notes

What factors causes variations in phenotype?

What are some examples of variation that you can think of?

Explain when incomplete dominance occurs and the type of phenotype it produces

When is a trait considered codominant? Name one example.

When is a trait polygenic? Name one example.

What is a mutation and when do they occur?

Are mutations harmful? How do they impact cell function?

How do variations in species happen? Does this imply that they're random?

What is artificial selection?

How do breeders use selective breeding to make dogs with floppy skin or tiny feet?

How do environmental factors impact the physical representation of a trait? What is an example of this?

Summary: