

Evolution & Natural Selection

DOODLE NOTES

GENETIC Evolution

natural selection changes the range of traits in a population - there are 3 ways it can change. Let's look at a moth population that shows

An example of natural selection!

COOL! A population of light brown moths lives on a tree trunk. The hawk can't see them.

YUCK! A hawk catches a light brown moth. The hawk can see them!

NOOOOOO! The light brown moths are more likely to get eaten. They are the best to eat!

Stabilizing

A higher proportion of dark brown moths survive to reproduce, passing on the beneficial trait.

Over time, the population has changed so that most of the moths are dark brown.

Stabilizing

Imagine you eat cereal light and find out against the median tree trunk, so they will be eaten in number, i.e. they are not as well adapted.

Stabilizing selection represents the graph - σ^2

GENE FLOW

What is it?

movement of genes in or out of a population. It happens through movement of individuals. The movement of gametes, e.g. pollen, is also the movement of genes into or out of a population. This can bring new alleles into a population or change the frequency of existing alleles.

Example:

Population 1

Population 2

Imported alleles are introduced into the population. Different frequencies.

Evolution by natural selection

Describe the theory of natural selection and how the theory was first conceived (thought of).

An English naturalist named Charles Darwin went on a voyage around the world. He noticed that animals in similar environments had similar characteristics. For example, in the Galápagos islands, Darwin observed similar but non-identical species of finches on each island. He noticed that their beaks seemed to be adapted to their food source. After some time thinking and the work of other scientists, Darwin came up with the theory of natural selection.

Key points:

- Individuals in a population vary in their traits.
- Some of these traits are heritable (passed on to offspring).
- Individuals with traits that are better suited to their environment will survive and reproduce, passing on those traits.
- Over time, the population will change as the traits of the individuals that survive and reproduce become more common.



MULTIPLE VERSIONS & EXAMPLE

Evolution By Natural Selection Answer Key

**Teresa Audesirk, Gerald
Audesirk, Bruce E. Byers**

Evolution By Natural Selection Answer Key:

The book delves into Evolution By Natural Selection Answer Key. Evolution By Natural Selection Answer Key is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Evolution By Natural Selection Answer Key, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
 - Chapter 1: Introduction to Evolution By Natural Selection Answer Key
 - Chapter 2: Essential Elements of Evolution By Natural Selection Answer Key
 - Chapter 3: Evolution By Natural Selection Answer Key in Everyday Life
 - Chapter 4: Evolution By Natural Selection Answer Key in Specific Contexts
 - Chapter 5: Conclusion
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 3. In chapter 2, this book will delve into the foundational concepts of Evolution By Natural Selection Answer Key. The second chapter will elucidate the essential principles that must be understood to grasp Evolution By Natural Selection Answer Key in its entirety.
 4. In chapter 3, this book will examine the practical applications of Evolution By Natural Selection Answer Key in daily life. The third chapter will showcase real-world examples of how Evolution By Natural Selection Answer Key can be effectively utilized in everyday scenarios.
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 6. In chapter 5, this book will draw a conclusion about Evolution By Natural Selection Answer Key. This chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Evolution By Natural Selection Answer Key.

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Evolution By Natural Selection Answer Key Introduction

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