

Introduction to Evolution - Guided Notes

Use this outline to help you take notes on Evolutionary Theory from Chapter 10 of your book.

Define the following...

- Species:
- Variation:
- Adaptation:
- Niche:
- Fossils:



Find the section of Chapter 10... "Darwin and his Theory".

- Define evolution:
- For a scientist OTHER than Darwin, describe the scientist's theory of evolution:
- Define natural selection:

Find the section of Chapter 10 that discusses natural selection...

- There are 4 main points to Darwin's theory of natural selection discussed in this section. Name and describe all 4 points:
- How is the idea of gradualism different from punctuated equilibrium? *Look at Figure 10.10 on page 237 if you're not sure of the difference from the definitions.*

Find section 10.3... "Tracking Changes".

- There are several forms of evidence that scientists study in order to understand how species have evolved over time. For each listed below, describe what it means AND give an example...
 - Fossils:
 - Homologous structures:
 - Analogous structures:
 - Vestigial structures:

Keep reading... these last two may be a little tough to find... but they're there!

- Embryology:
- Biochemical characteristics: