

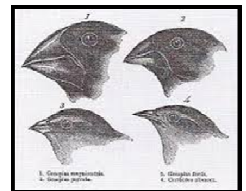
Chapter 10. Darwinian Evolution

Ch. 10.1 Early Ideas about Evolution

Term	Definition
	Modern organisms have descended from ancient organisms (_____)
	group of organisms that can _____ and have _____ offspring
	a well-supported, _____ of phenomena that have occurred in the natural world

Scientist	Contribution to Evolution
	classification system from _____ to _____
	species _____ rather than arising _____
	More _____ forms developed from _____ forms
	He proposed the idea of "_____" by selective _____ or _____ of organs, organisms _____ or _____ certain traits during their lifetime Ex:

- What are 3 theories of geologic change?
 - a. _____:
 - b. _____:
 - c. _____: _____ of geologic change and greatly influenced _____.
- _____ & _____ helped scientists recognize that _____ of years old
 - The processes that changed Earth in the _____ are the same processes that are _____

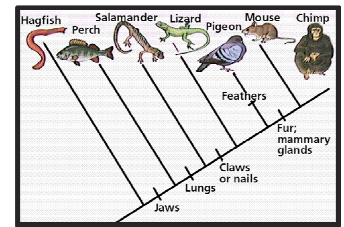


Ch. 10.2 Darwin's Observations

- Charles Darwin contributed most to our _____ of _____
- Voyage of the _____
 - Made observations & collected _____ → way life _____
- The _____ influenced Darwin the most
 - _____ of animals & plants varied among the different _____
- Variation is a difference in a _____.
 - _____ that live in areas with _____ have _____ and legs.
 - _____ that live in areas with hard-shelled nuts have _____.
- He realized that species _____ to their _____.
 - An _____ is a feature that allow an organism to _____ in its _____.
 - Lead to genetic change in a population.
- Darwin collected _____-the _____ of ancient organisms
 - Some _____ organisms that were _____
 - Others looked _____ any creature _____

Ch 10.3 Darwin's Theory of Natural Selection

- _____ proposed that a growing _____ would lead to insufficient _____ and _____
- Darwin published the results of his work in a book, *On the _____*
 - In his book, he proposed a _____ for evolution called _____
 - Evolution has been taking place for _____, & _____ in all living things
- _____ - nature provided the variation & _____ selected those variations that they found _____. Through _____ for different traits.
- _____ - the members of each _____ compete regularly to obtain _____, _____, _____, & other necessities of life.
 - Predators that are _____ & _____ at catching prey are more likely to _____.
- _____ - the ability of the organism to _____ & _____ in its specific environment.
 - Fitness is the result of _____.
- Individuals that are _____ to their environ., with adaptations that _____ fitness, survive & reproduce most _____ - _____
 - _____ is the same thing as survival of the fittest.
- Natural Selection produces organisms that have different _____, & occupy different _____
- _____ - Each living species has descended, with _____, from other _____
 - Species today look different from their ancestors
- _____ - all species (_____) were derived from common _____



Ch. 10.4 Evidence of Evolution

What are 4 evidences that organisms have been evolving for millions of years?

1.	<ul style="list-style-type: none"> • Darwin noticed that the sizes, shapes, & varieties of related organisms preserved in the fossil record, changed over time • _____ --the study of fossils 	
2.	<ul style="list-style-type: none"> • The study of the _____ of _____ around the _____ 	
3.	<ul style="list-style-type: none"> • _____: structures that are the _____ but have _____ functions. 	
	<ul style="list-style-type: none"> • _____ - structures that perform a similar _____ but are not evidence of a common _____. 	
	<ul style="list-style-type: none"> • _____ - remnants of _____ or _____ that had a function in an early ancestor. 	
4.	<ul style="list-style-type: none"> • The early stages or embryos, of many animals with _____ are very _____ • _____ is the study of embryos. 	