	Name
	Evidence Of Evolution (p. 283 – 287)
Fo	ossil Record
1.	Define the term fossil.
	Fossil - preserved or mineralized remains or imprint of an organism that lived long ago
2.	Circle the letter of the sentence that is incorrect concerning fossils.
	 a. Fossils of animals show a pattern of development from ancestors to descendants. b. The fossil record offers no evidence that evolution takes place. c. Change over time can be seen in the fossil record. d. The fossil record is incomplete.
3.	d. The fossil record is incomplete. The Earth is about 4.5 million years old. Common Ancester What is it for everything?
	<u>Circle One</u> : True False
4.	What is the best environment to search to find fossils?
	Which type of arganism has a better change of fossilizing? Preservation
5.	Which type of organism has a better chance of fossilizing?
	Circle One: Soft-bodied Hard-bodied Circle One: Soft-bodied Hard-bodied Circle One: Soft-bodied Hard-bodied Autochrand
6.	Define the term paleontologist.
	Paleontologist - Scientists who study fossils
7.	How do paleontologists develop an orderly picture of an organism's evolution?
	Radiometric dating of rocks + minerals in fossil redinent
ato	Define the term homologous structures.
1.	
	Homologous Structures - structures of different organisms that are derived from a common ancestor
2.	List three examples of homologous structures in mammals.
	1. <u>forelimbs</u> 2. <u>Mustles</u> 3. <u>Nerves</u>

I. The Fossil Record

II. Anatomy & Development

Vestigial Structures - structures that are reduced in size or
have no use (possibly use tul by an ancestor)
4. List three examples of vestigial structures in animals.
1. Whole Hindlimbs 2. Appendix 3. Python Leg Bones 4. Wiggle Ford 5. Wirdon Teeth 6. Coccyx / Tonsil 5. How is embryology used as form of evidence supporting evolution?
All vertebrate embryos have a tail (or bud)+ phorya
All vertebrate embryos have a tail (or bud)+ phoryander (tail becomes (imbs) III. Biological Molecules (phoryage-1 pouches become gills/throat)
1. Which type of ancestor exhibits greater amino acid sequence differences?
Circle One: More Recent More Distant Cytochrone C
2. Are protein patterns always a reliable measure of evolutionary trends?
Circle One: Yes No (Rates of evolution of)
3. What is used a valid measure of genetic evolution in a species?
Evolutionary histories based on DNA sequences
4. List three chemical compounds found in nearly all organisms. (Not in the book.)
Finches 1. ATP 2. DNA 3. RNA
IV. Geographic Distribution Of Living Things (Not in the book.)
1. Circle the letter of the way Darwin explained the distribution of finch species on the Galapagos Islands.
a. They had descended with modification from a common mainland ancestor. b. They had descended with modification from several different mainland ancestors. c. They had remained unchanged since arriving on the Galapagos from the mainland. d. They had become more similar to one another after arriving on the Galapagos.
2. How did Darwin explain the existence of similar but unrelated species?
- Darwin thought that such species evolved
features in common because they were exposed
Besider to similar pressures of natural selection.
Capy bara

3. Define the term vestigial structures.

Name _____