

Evolution – Darwin's Dangerous Idea

Name _____ Period _____ Date _____

- 1) What was the prevailing view of evolution in Darwin's time?
- 2) What live animal did Darwin bring back from the Galapagos Islands?
- 3) What did Darwin find on top of mountains in the Andes?
- 4) How did he explain his findings?
- 5) What was Darwin's explanation for the existence of different species of Finches on each of the Galapagos Islands.
- 6) What sorts of Fossils did Darwin bring back from his trip on the Beagle?
- 7) What are the main differences between the finches Darwin returned with from the Galapagos?
- 8) How does Darwin explain the differences between the Finches?
- 9) How does Darwin picture the organization of life on Earth?
- 10) How many species of frog are in the rain forest area being studied?
- 11) How does the biologist explain the leaf like appearance of the Mantis he finds?
- 12) What determines if related animals are separate species?

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- 13) What tools do modern scientists have that Darwin didn't dream of?
 - 14) What does DNA comparison show?
 - 15) What is written in the DNA of animals?
 - 16) What insight does Darwin gain from Malthus book?
 - 17) What is Darwin's theory of Natural Selection?
 - 18) Can we see Natural Selection operating in real time?
 - 19) Where do new varieties of HIV virus come from?
 - 20) How do HIV researchers propose to use natural selection to help patients?
 - 21) How did Darwin explain the similarity in bone structure of a wide variety of animals.
 - 22) Why did many in Darwin's time think organs like the eye proved divine creation?
 - 23) Is the eye a perfectly designed organ?
 - 24) Give some examples to illustrate the imperfect design of the eye.
 - 25) What would be the first step in evolution of a complex eye? What creature shows this feature?
 - 26) What sort of reaction did people of Darwin's time have to the publication of his book.