

FLPS

Name _____

Biology

Date _____

Biology Study Guide**Marking Period 5****Define the following vocabulary on a separate sheet of paper.**

1. Fossil
2. Archaeobacteria
3. Plate tectonics
4. Biogenesis
5. Protocell
6. Spontaneous generation
7. Carrier
8. Pedigree
9. Autosome
10. Codominant alleles
11. Incomplete dominance
12. Multiple alleles
13. Polygenic inheritance
14. Sex chromosome
15. Sex linked trait
16. Recessive
17. Fetus
18. Trait
19. Offspring
20. Phenotype
21. Genotype
22. Endosymbiont theory
23. Prokaryote

24. Preexisting
25. Paleontologist
26. Greenhouse Effect
27. Global warming

On a separate sheet of paper answer the questions using complete sentences.

1. About how many years ago do scientists suggest that Earth cooled enough for water vapor to condense?
2. Who was the scientist who showed that microscopic life is not produced by spontaneous generation?
3. What is the Geologic Time Scale based on?
4. What two things would an intact organism be preserved in?
5. What do scientists theorize that oxygen buildup in the atmosphere resulted from?
6. What type of rock would show a clear fish imprint?
7. Which fact is the basis for using the fossil record as evidence for the order of evolution?
8. Which group of organisms is believed to have been the earliest to evolve?
9. How did the first prokaryotes obtain their food according to one theory?
10. What have entire organisms been found preserved in, including their delicate parts?
11. Which event contributed most directly to the evolution of aerobic organisms?
12. Explain the role of plate tectonics in the theory of continental drift.
13. Explain the relationship between early photosynthetic autotrophs and the eventual rise of aerobic life forms.
14. What is the limitation of relative dating?
15. What dating technique is often used by paleontologists to determine the specific age of a fossil?
16. How do scientists use this dating technique to determine the age of rocks and fossils?
17. What are trace fossils?
18. What is biogenesis?
19. What were the mass of continents called?
20. During what Era could you find shallow seas that teemed with life be found?

21. What is relative dating and how does it work?
22. Describe the likely characteristics of the first organism on Earth.
23. What present day organisms may be similar to the first autotrophs? Why?
24. What is an autotroph? What factors helped them thrive on Earth?
25. What change occurred in Earth's atmosphere after the evolution of photosynthesizing prokaryotes? Why?