**Guided Reading 1.1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_ Hr \_\_\_\_\_**

1. What animals did Jane Goodall work with?
2. Define Biology.
3. What does studying biology help you understand?
4. Identify two observations/questions mentioned in the fourth paragraph.
5. What is the name for a person who studies biology?
6. What are five areas that biologists study? (hint: see red!)
7. What is the result of Jane Goodall’s research?
8. How close is the genome of chimpanzees and humans?
9. What diseases have we developed vaccines for?
10. What is the definition of technology?
11. What did Charles Drew help to do?
12. What does bioengineering do?
13. What does Joanne Chory contribute to agriculture?
14. What does Lee Anne Martinez contribute to the environment of Africa?
15. Define organism.
16. What are the 8 characteristics of life? (hint: see red!)
17. What does unicellular mean?
18. What does multicellular mean?
19. Define organization.
20. What is a tissue?
21. What is an organ?
22. Define Growth. Give an example.
23. Define development. Give an example.
24. Define Reproduction.
25. If your pet is spayed is it alive?
26. What is an external environment?
27. Define Species.
28. Define stimulus.
29. Define response.
30. Why is it important for an organism to respond to stimuli?
31. Where do most living things get their energy?
32. Where does most energy get transformed into?
33. Define homeostasis.
34. What happens if homeostasis is not maintained?
35. What happens to air at higher altitudes?
36. Why do plants have drip tips?
37. Define adaptation.
38. Ultimately, why are adaptations important?