**Biology for Health Sciences**

**Chapter 1 Worksheet Name:**

1. How old is the Earth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What were the first organisms to live on Earth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ How long ago did this happen? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. When did the first eukaryotes show up? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. How long have humans (*Homo sapiens*) been around? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What is biology?
6. What is inductive reasoning? Give an example.
7. What is deductive reasoning? Give an example.
8. Can science test matters of faith? \_\_\_\_\_
9. What are the steps of the scientific method?
10. Do scientists just do one experiment and trust the results from that one experiment?
11. What is a scientific theory?
12. In Biology, we cannot have laws like they do in Physics, why?
13. What are primary sources?
14. What are secondary sources?
15. Should secondary sources always be trusted? \_\_\_\_\_\_
16. What is scientific literacy?
17. Why is scientific literacy so important?
18. List and describe the properties of life.
19. List the hierarchy of life starting with an atom.
20. Define Biosphere.
21. Where is most of the biosphere on the planet? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
22. What is a prokaryotic cell?
23. What is a eukaryotic cell?
24. What are the 3 Domains of Life? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
25. What is in Domain Archaea? Are they prokaryotic or eukaryotic?
26. What is in Domain Bacteria? Are they prokaryotic or eukaryotic?
27. What is in Domain Eukarya? Are they prokaryotic or eukaryotic?