

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## ***BIOLOGY – STUDY GUIDE CHAPTERS 18-20***

1. Know all of the levels of taxonomy.
2. Know all about spontaneous generation. Know what the theory was all about and how Pasteur disproved it using his famous experiment.
3. Be familiar with the procedure that was followed in the bacterial growth lab.
4. Be able to draw and explain the symbiotic theory. Know how each smaller part contributed to the larger prokaryotic cell.
5. Know what is meant by viral specificity and the lytic cycle. Be able to draw and explain both of them. Include all 4 steps for the lytic cycle.
6. Know the importance of proteins, RNA, and phospholipids in the evolution of early cells. Know how each developed and why each was so important.
7. Be familiar with the purpose and results of the Miller-Urey experiment.
8. Know all of the terms listed in “The History of Life” found in the chapter 19 lecture notes. For each set of terms, know the definitions as well as which came first.
9. Know general features for all 6 kingdoms.
10. Know general features/examples for all of the invertebrate animal phyla.
11. Know general features/examples for all of the vertebrate animal classes.
12. Know general features for viruses and bacteria.
13. Be able to make your own dichotomous key by following a set of directions.

### **HELPFUL HINTS:**

THIS QUIZ MAY HAVE THE APPEARANCE OF BEING “EASY” BUT YOU WILL HAVE TO STUDY A LOT. THERE IS A GOOD AMOUNT OF WRITING, ESPECIALLY ON NUMBERS 2-8. THERE WILL ALSO BE A NUMBER OF THOUGHT QUESTIONS. PREPARE WELL FOR THIS QUIZ SO THAT YOU DO NOT RUN OUT OF TIME. REMEMBER TO ***PAY ATTENTION TO THE DETAILS*** WHEN YOU ARE STUDYING!