# BIOL 112 – OUTLINE #8 – ANIMAL STRUCTURE AND FUNCTION

1. The characteristics of living organisms
2. Constraints on size and shape
3. physics
4. physical environment
5. necessity of exchange between the animal and the environment
6. diffusion
7. complex exchange surfaces
8. Hierarchical structure in animals
9. cells
10. tissues
11. organs
12. organ systems
13. organisms
14. Correlation between form and function
15. tissues
16. epithelial
17. connective
18. muscle
19. nerve
20. organs and organ systems
21. Homeostasis and thermoregulation