# BIOL 112 – OUTLINE #13 – ANIMAL NERVOUS SYSTEMS

1. Evolution of organization
2. radial networks
3. cephalization
4. central vs. peripheral nervous systems
5. Functions
6. sensory input
7. integration
8. motor output
9. Nerve cells
10. neuron structure
11. supporting cells structure and function
12. Signal transmission
13. transmission along nerve cells
14. resting membrane potential
15. action potential
16. function of voltage sensitive gates
17. transmission between nerve cells
18. electrical synapses
19. chemical synapses
20. Central nervous system organization in vertebrates
21. Peripheral nervous system organization in vertebrates
22. somatic
23. autonomic
24. sympathetic
25. parasympathetic
26. enteric
    1. Brain development