CONCEPTS ON MID-YEAR EXAMINATION: *BIOLOGY 534*

EXAM: Thursday, Dec 18, 2008. 12:30 – 3:00

IMPORTANT TO REVIEW ALL THESE TERMS (it is bio!!)

****Format of the exam: sections

a) multiple-choice 50 points
b) associations (matching) 16 points
c) vocabulary (12 points)
d) diagram (microscope) 12 points
e) comprehension (10 points)

***Chapters questioned on the exam:

Ch. 1 What is biology?
Ch. 3 Principles of Ecology
Ch. 4 Biomes & community distribution
Ch. 5 Population Biology
Ch. 6 Use of Resources
Ch. 7 The chemistry of life
Ch. 8 The Cell
Ch. 9 Homeostasis & the Plasma Membrane

*****Terms that you must understand for the exam: (in no particular order)

1. species

2. biomes

3. ecosystem

4. community

5. parasitism

6. commensalism

7. mutualism

8. predation

9. carnivore

10. herbivore

11. decomposers

12. producers

13. atom

14. organelle

15. cell

16. entomology

17. physiology

18. homeostasis

19. anatomy

20. omnivore

21. niche

22. habitat

23. autotroph

24. heterotroph

25. limiting factors

26. tolerance

27. pioneer community

28. secondary succession

29. humus

30. deciduous

31. estuary

32. aphotic zone

33. climax community

34. primary succession

35. carrying capacity

36. density-dependant factors

37. density-independent factors

38. exponential growth

39. extinction

40. threatened species

41. endangered species

42. compounds

43. elements

44. nucleic acid

45. isomer

46. enzymes

47. polar molecule

48. solution

49. ion

50. monosaccharides

51. amino acids

52. hydrolysis

53. condensation

54. monomer

55. ionic bonding

56. Golgi apparatus

57. nucleus

58. cellulose

59. mitochondria

60. ribosomes

61. endoplasmic reticulum

62. chloroplasts

63. DNA

64. starch

65. glycogen

66. chromatin

67. cell wall

68. vacuoles

69. cilia

70. lysosomes

71. diffusion

72. osmosis

73. hypotonic

74. turgor pressure

75. Robert Hooke

76. Anton van Leeuvenhoek

77. Schleiden & Schwann

78. hypotonic solution

79. abiotic factor

80. predator-prey relationship

81. solution

82. acid

83. covalent bond

84. neutral pH

85. base

86. organization

87. response to stimulus

88. growth

89. development

90. prokaryotic

91. eukaryotic

92. homeostasis

93. carbon cycle

94. nitrogen fixing bacteria

95. tundra

96. taiga

97. nitrogen cycle

98. photic zone

99. adaptation
100. reproduction