

CONCEPTS ON FINAL JUNE EXAMINATION: *BIOLOGY 534 (NEW _ NEW)*

EXAM: Wednesday, June 10, 2009. 9:00 – 11:30

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

****Format of the exam: sections

- A) multiple-choice 50 points
- B) associations (matching) 10 points
- C) vocabulary (12 points)
- D) diagrams (10 points)
- E) comprehension I: (9 points)
- F) comprehension II: (9 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
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- Ch. 10 Cell Energy
- Ch. 11 Cell reproduction
- Ch. 12 Mendel & meiosis
- Ch. 13. Genes & Chromosomes
- Ch. 14 Heredity & DNA
- Ch. 37 Skeleton & Muscles
- Ch. 38 Digestion
- Ch. 39 Circulation, Respiration, Excretion
- Ch. 40 Nervous System & Drugs

*****Terms that you must understand for the exam: (in no particular order) THAT ARE ON THE EXAM

1. antigen

2. platelets

3. artery
4. hemoglobin
5. ventricle
6. plasma
7. alveoli
8. nephron
9. pulse
10. atrium
11. alveoli
12. melanin
13. appendicular skeleton
14. axial skeleton
15. phenotype
16. genotype
17. homozygous

18. heterozygous
19. density independent factors
20. cells
21. smooth muscles
22. amylase
23. pepsin
24. fertilization
25. limiting factors
26. tolerance
27. pioneer community
28. secondary succession
29. density dependent factors
30. cartilage
31. ligament
32. tendon

- 33. climax community
- 34. primary succession
- 35. carrying capacity
- 36. peristalsis
- 37. muscular digestion
- 38. exponential growth
- 39. extinction
- 40. threatened species
- 41. endangered species
- 42. white blood cells
- 43. red blood cells
- 44. pollination
- 45. biodegradable
- 46. enzymes
- 47. glycerol
- 48. fatty acids

- 49. nucleic acids
- 50. monosaccharides
- 51. amino acids
- 52. chloroplasts
- 53. nucleotides
- 54. monomer
- 55. adenine
- 56. ribose
- 57. nucleus
- 58. photosynthesis
- 59. mitochondria
- 60. ribosomes
- 61. endoplasmic reticulum
- 62. chloroplasts
- 63. DNA
- 64. adenosine triphosphate

- 65. glycogen
- 66. chromatin
- 67. carotenoids
- 68. stoma
- 69. zygotes
- 70. lysosomes
- 71. diffusion
- 72. osmosis
- 73. hypotonic
- 74. centromeres
- 75. prophase; interphase; metaphase; anaphase
- 76. rod cells
- 77. cone cells
- 78. neurotransmitter
- 79. abiotic factor

80. organ – tissue - cell

81. nucleoli

82. acid

83. enzyme

84. neutral pH

85. CFC

86. tundra

87. response to stimulus

88. biotic

89. semi-circular canals

90. sclera

91. choroid

92. homeostasis

93. organelle

94. macula lutea

95. Eustachian tube

- 96. taiga
- 97. humerus
- 98. ulna, radius
- 99. adaptation
- 100. reproduction