

**CELL BIOLOGY**  
**GEORGIA STATE SCIENCE OLYMPIAD**  
**APRIL 2, 2005**  
**ANSWER KEY**

Directions: This exam includes 15 stations with a total of 122 questions. You will have 3.5 minutes per station. No references allowed. Use only CAPITAL LETTERS when responding to MC questions.

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|-------------|------------------|------------------------------|--------------------|
| 1. E        | 31. F            | 60. B                        | 90. C3             |
| 2. A        | 32. T            | 61. D                        | 91. C4             |
| 3. C        | 33. F            | 62. D                        | 92. CAM            |
| 4. K        | 34. F            | 63. E                        | 93. C <sup>3</sup> |
| 5. G        | 35. F            | 64. C                        | 94. CAM            |
| 6. D        | 36. T            | 65. F                        | 95. D              |
| 7. F        | 37. T            | 66. A                        | 96. A              |
| 8. G        | 38. STARCH       | 67. G                        | 97. D              |
| 9. B        | 39. 280 CAL.     | 68. H                        | 98. A              |
| 10. B       | 40. ~29% (28-30) | 69. I                        | 99. A              |
| 11. D       | 41. A            | 70. E                        | 100. 16            |
| 12. I(E)    | 42. B            | 71. B                        | 101. 8             |
| 13. C       | 43. C            | 72. I                        | 102. 16            |
| 14. A       | 44. D            | 73. B                        | 103. D             |
| 15. G       | 45. B            | 74. 1.6 X10 <sup>-20</sup> g | 104. A             |
| 16. F       | 46. D            | 75. 5%                       | 105. B             |
| 17. E       | 47. A            | 76. A                        | 106. C             |
| 18. A       | 48. D            | 77. C                        | 107. D             |
| 19. F       | 49. 12.5μ moles  | 78. B                        | 108. C             |
| 20. A       | (12-14)          | 79. A                        | 109. B             |
| 21. B       | 50. 62.5 μ moles | 80. A                        | 110. A             |
| 22. D       | 51. B            | 81. C                        | 111. 2             |
| 23. E       | 52. t(transfer)  | 82. B                        | 112. B             |
| 24. 66      | RNA              | 83. E                        | 113. B             |
| 25. 3.3 MIN | 53. UCG          | 84. A                        | 114. C             |
| 26. C       | 54. ACG          | 85. D                        | 115. D             |
| 27. D       | 55. 800 (1803)   | 86. C                        | 116. A             |
| 28. T       | 56. C            | 87. 00μm                     |                    |
| 29. F       | 57. A            | 88. 4-6 μm                   |                    |
| 30. T       | 58. C            | 89. ~4.5 X10 <sup>-21</sup>  |                    |
|             | 59. B            | m <sup>3</sup>               |                    |