

# 2006 AMERICAN CHEMICAL SOCIETY High School Chemistry Scholarship Examination

*Hosted by*

DEPARTMENT OF CHEMISTRY AND CHEMICAL BIOLOGY  
Indiana University Purdue University Indianapolis

April 15, 2006

## Key to Examination

1. C	26. C	51. A	76. A
2. D	27. C	52. E	77. E
3. E	28. D	53. D	78. D
4. D	29. B	54. D	79. B
5. B	30. C	55. D	80. D
6. E	31. E	56. E	81. D
7. B	32. A	57. E	82. B
8. E	33. B	58. C	83. A
9. A	34. C	59. A	84. A
10. C	35. C	60. C	85. E
11. E	36. D	61. A	86. E
12. B	37. D	62. B	87. D
13. C	38. A	63. C	88. D
14. B	39. E	64. D	89. A
15. C	40. A	65. E	90. C
16. E	41. A	66. A	91. B
17. C	42. B	67. D	92. D
18. B	43. A	68. D	93. E
19. C	44. C	69. E	94. A
20. D	45. B	70. B	95. C
21. C	46. E	71. C	96. D
22. A	47. C	72. E	97. C
23. A	48. D	73. C	98. E
24. E	49. B	74. D	99. B
25. D	50. B	75. B	100. C

EXAM STATISTICS	First Year Exam Performance	Advanced Exam Performance
<i>N</i>	98	92
<i>Mean</i>	43	58
<i>High</i>	83	91
<i>Low</i>	21	24
<i>Standard Deviation</i>	14.1	16.4
<i>Test Reliability</i>	0.90	0.93
<i>Std. Error of Measurement</i>	4.4	4.3