

STATE OF TEXAS ASSESSMENTS OF ACADEMIC READINESS

Item Analysis Summary Report

SCIENCE

STATEWIDE

Report Date: SUMMER 2013
Date of Testing: SPRING 2013

| BIOLOGY | | | | | | | CHEMISTRY | | | | | | | PHYSICS | | | | | | | |
|-----------------------------------|----|-----|-----|-----|-----|----|-----------------------------------|----|-----|-----|-----|-----|----|----------------------------------|----|-----|-----|-----|-----|----|--|
| Number of Students Tested: 358787 | | | | | | | Number of Students Tested: 269062 | | | | | | | Number of Students Tested: 10700 | | | | | | | |
| PERCENT RESPONDING | | | | | | | PERCENT RESPONDING | | | | | | | PERCENT RESPONDING | | | | | | | |
| ITEM | RC | A/F | B/G | C/H | D/J | ** | ITEM | RC | A/F | B/G | C/H | D/J | ** | ITEM | RC | A/F | B/G | C/H | D/J | ** | |
| 1. | 1 | 9 | 83* | 4 | 5 | 0 | 1. | 3 | 6 | 2 | 79* | 13 | 0 | 1. | 1 | 85* | 5 | 1 | 9 | 0 | |
| 2. | 5 | 6 | 7 | 10 | 77* | 0 | 2. | 5 | 10 | 72* | 9 | 8 | 0 | 2. | 3 | 7 | 12 | 6 | 75* | 0 | |
| 3. | 3 | 10 | 11 | 76* | 4 | 0 | 3. | 1 | 6 | 5 | 82* | 8 | 0 | 3. | 2 | 4 | 11 | 81* | 4 | 0 | |
| 4. | 2 | 69* | 15 | 8 | 7 | 0 | 4. | 1 | 76* | 15 | 6 | 3 | 0 | 4. | 1 | 6 | 14 | 11 | 68* | 0 | |
| 5. | 4 | 6 | 6 | 83* | 6 | 0 | 5. | 4 | 7 | 3 | 52* | 38 | 0 | 5. | 2 | 11 | 62* | 19 | 7 | 0 | |
| 6. | 1 | 14 | 10 | 9 | 67* | 0 | 6. | 2 | 7 | 7 | 15 | 70* | 0 | 6. | 3 | 33* | 18 | 37 | 11 | 0 | |
| 7. | 4 | 5 | 9 | 68* | 18 | 0 | 7. | 3 | 5 | 79* | 9 | 7 | 0 | 7. | 1 | 3 | 13 | 75* | 9 | 0 | |
| 8. | 3 | 9 | 62* | 9 | 19 | 0 | 8. | 5 | 15 | 4 | 56* | 25 | 0 | 8. | 4 | 47* | 29 | 7 | 16 | 0 | |
| 9. | 5 | 7 | 11 | 74* | 7 | 0 | 9. | 4 | 13 | 48* | 29 | 10 | 1 | 9. | 1 | 58* | 19 | 22 | 2 | 0 | |
| 10. | 4 | 52* | 19 | 11 | 18 | 0 | 10. | 3 | 72* | 8 | 13 | 8 | 0 | 10. | 2 | 8 | 11 | 73* | 9 | 0 | |
| 11. | 2 | 23 | 9 | 62* | 5 | 0 | 11. | 1 | 10 | 13 | 55* | 21 | 1 | 11.† | 3 | 67* | 33 | 0 | 0 | 1 | |
| 12. | 4 | 10 | 48* | 28 | 13 | 0 | 12.† | 3 | 47* | 52 | 0 | 0 | 1 | 12. | 1 | 5 | 2 | 34 | 59* | 0 | |
| 13. | 2 | 47* | 10 | 29 | 15 | 0 | 13. | 5 | 12 | 62* | 13 | 12 | 0 | 13. | 3 | 28 | 17 | 46* | 10 | 0 | |
| 14. | 5 | 28 | 58* | 11 | 4 | 0 | 14. | 1 | 9 | 13 | 71* | 8 | 0 | 14. | 2 | 18 | 33 | 11 | 39* | 0 | |
| 15. | 3 | 13 | 66* | 6 | 16 | 0 | 15. | 2 | 56* | 19 | 15 | 10 | 0 | 15. | 4 | 2 | 92* | 3 | 3 | 0 | |
| 16. | 1 | 10 | 25 | 49* | 17 | 0 | 16. | 3 | 29 | 12 | 23 | 37* | 0 | 16. | 1 | 31 | 8 | 9 | 52* | 0 | |
| 17. | 4 | 10 | 42* | 24 | 24 | 0 | 17. | 4 | 67* | 9 | 18 | 6 | 0 | 17. | 4 | 18 | 10 | 50* | 22 | 0 | |
| 18. | 2 | 23 | 11 | 56* | 10 | 0 | 18. | 3 | 9 | 11 | 73* | 5 | 0 | 18. | 2 | 43 | 35* | 2 | 19 | 1 | |
| 19. | 3 | 11 | 29 | 8 | 52* | 0 | 19. | 5 | 51* | 26 | 17 | 6 | 1 | 19.† | 1 | 53* | 46 | 0 | 0 | 1 | |
| 20. | 1 | 23 | 56* | 11 | 9 | 0 | 20.† | 2 | 30* | 68 | 0 | 0 | 2 | 20. | 4 | 73* | 10 | 7 | 10 | 0 | |
| 21. | 2 | 30* | 9 | 11 | 49 | 0 | 21. | 5 | 40* | 10 | 21 | 29 | 0 | 21. | 3 | 14 | 12 | 25 | 49* | 0 | |
| 22. | 4 | 23 | 5 | 67* | 4 | 0 | 22. | 3 | 9 | 68* | 13 | 10 | 0 | 22. | 4 | 15 | 33* | 38 | 14 | 0 | |
| 23. | 1 | 30 | 14 | 18 | 37* | 0 | 23. | 1 | 29 | 9 | 46* | 16 | 0 | 23. | 2 | 65* | 13 | 11 | 11 | 0 | |
| 24. | 5 | 19 | 65* | 9 | 8 | 0 | 24. | 4 | 5 | 73* | 11 | 11 | 0 | 24. | 3 | 18 | 11 | 58* | 12 | 0 | |
| 25. | 3 | 47* | 17 | 24 | 11 | 0 | 25. | 1 | 47* | 18 | 25 | 10 | 0 | 25.† | 4 | 76* | 23 | 0 | 0 | 1 | |
| 26. | 2 | 21 | 17 | 5 | 57* | 0 | 26. | 2 | 3 | 4 | 14 | 78* | 0 | 26. | 2 | 9 | 6 | 68* | 18 | 0 | |
| 27. | 5 | 36* | 19 | 32 | 12 | 0 | 27.† | 3 | 32* | 65 | 0 | 0 | 3 | 27. | 1 | 9 | 57* | 26 | 7 | 0 | |
| 28. | 3 | 17 | 19 | 20 | 44* | 0 | 28. | 2 | 26 | 15 | 16 | 43* | 0 | 28. | 3 | 20 | 36 | 12 | 31* | 0 | |
| 29. | 1 | 21 | 16 | 47* | 17 | 0 | 29. | 1 | 18 | 31 | 28* | 23 | 0 | 29. | 4 | 13 | 44* | 12 | 31 | 0 | |
| 30. | 2 | 27 | 40* | 15 | 18 | 0 | 30. | 3 | 28 | 46* | 15 | 11 | 0 | 30. | 2 | 27 | 14 | 51* | 8 | 0 | |
| 31. | 5 | 44* | 30 | 22 | 5 | 0 | 31. | 1 | 7 | 9 | 13 | 71* | 0 | 31.† | 3 | 42* | 57 | 0 | 0 | 1 | |
| 32. | 4 | 13 | 25 | 48* | 14 | 0 | 32. | 2 | 8 | 64* | 14 | 13 | 0 | 32. | 2 | 5 | 82* | 7 | 6 | 0 | |
| 33. | 1 | 60* | 19 | 13 | 8 | 0 | 33.† | 4 | 48* | 50 | 0 | 0 | 2 | 33. | 1 | 13 | 19 | 17 | 51* | 0 | |
| 34. | 3 | 5 | 14 | 72* | 8 | 0 | 34. | 2 | 11 | 12 | 12 | 66* | 0 | 34. | 4 | 34 | 38* | 11 | 17 | 0 | |
| 35. | 4 | 11 | 12 | 27 | 50* | 0 | 35. | 3 | 4 | 6 | 39 | 51* | 0 | 35. | 2 | 20 | 49* | 12 | 19 | 0 | |
| 36. | 1 | 48* | 13 | 23 | 16 | 0 | 36. | 1 | 20 | 10 | 62* | 8 | 0 | 36. | 1 | 44* | 12 | 20 | 24 | 0 | |
| 37. | 5 | 23 | 18 | 50* | 9 | 0 | 37. | 4 | 54* | 14 | 17 | 15 | 0 | 37. | 3 | 4 | 14 | 21 | 61* | 0 | |
| 38. | 2 | 53* | 29 | 9 | 9 | 0 | 38. | 3 | 10 | 21 | 58* | 11 | 0 | 38. | 4 | 29 | 39* | 11 | 20 | 0 | |
| 39. | 3 | 9 | 8 | 18 | 65* | 0 | 39. | 2 | 25 | 11 | 9 | 55* | 0 | 39.† | 1 | 66* | 33 | 0 | 0 | 1 | |
| 40. | 5 | 9 | 76* | 7 | 9 | 0 | 40. | 3 | 43* | 13 | 35 | 9 | 0 | 40. | 4 | 15 | 16 | 12 | 57* | 0 | |
| 41. | 1 | 15 | 29 | 46* | 10 | 0 | 41.† | 5 | 36* | 61 | 0 | 0 | 3 | 41. | 3 | 62* | 9 | 14 | 15 | 0 | |
| 42. | 5 | 10 | 56* | 22 | 12 | 0 | 42. | 1 | 13 | 36 | 8 | 42* | 0 | 42. | 1 | 32 | 22 | 15 | 31* | 0 | |
| 43. | 2 | 63* | 19 | 7 | 11 | 0 | 43. | 5 | 46* | 18 | 15 | 20 | 0 | 43. | 2 | 11 | 55* | 16 | 18 | 0 | |
| 44. | 4 | 6 | 57* | 19 | 17 | 0 | 44. | 4 | 18 | 10 | 10 | 62* | 0 | 44. | 4 | 6 | 15 | 62* | 16 | 0 | |
| 45. | 1 | 51* | 17 | 17 | 15 | 0 | 45. | 3 | 19 | 6 | 64* | 11 | 0 | 45. | 1 | 50* | 29 | 19 | 2 | 0 | |
| 46. | 5 | 8 | 10 | 15 | 67* | 0 | 46. | 5 | 24 | 36* | 29 | 11 | 0 | 46. | 3 | 7 | 13 | 10 | 70* | 0 | |
| 47. | 1 | 25 | 56* | 15 | 4 | 0 | 47. | 1 | 14 | 7 | 22 | 57* | 0 | 47. | 4 | 10 | 46* | 26 | 18 | 0 | |
| 48. | 4 | 9 | 13 | 52* | 26 | 0 | 48. | 2 | 62* | 21 | 10 | 7 | 0 | 48. | 1 | 46* | 28 | 12 | 14 | 0 | |
| 49. | 2 | 6 | 56* | 19 | 19 | 0 | 49. | 4 | 9 | 26 | 12 | 53* | 0 | 49. | 2 | 10 | 10 | 64* | 16 | 0 | |
| 50. | 5 | 10 | 17 | 7 | 66* | 0 | 50. | 5 | 10 | 6 | 77* | 6 | 0 | 50. | 3 | 78* | 6 | 13 | 3 | 0 | |
| 51. | 4 | 16 | 57* | 20 | 7 | 0 | 51. | 1 | 7 | 73* | 8 | 11 | 0 | | | | | | | | |
| 52. | 3 | 72* | 14 | 1 | 13 | 0 | 52. | 3 | 6 | 4 | 84* | 6 | 0 | | | | | | | | |
| 53. | 2 | 5 | 84* | 4 | 7 | 0 | | | | | | | | | | | | | | | |
| 54. | 3 | 4 | 10 | 75* | 11 | 0 | | | | | | | | | | | | | | | |

† = Item is not a multiple-choice item. For this item, the letter "A" represents the correct answer and "B" represents an incorrect answer.
 * = Correct answer choice ** = Percent of students who did not answer
 A listing of the reporting categories is found on the Summary Report.