

This is the answer key for the Recycle Rush Quiz, written by Connor Dudarchik for Team 1559, Devil-Tech.

1. Recycle Rush
2. C
3. A
4. Six weeks and three days [Our team generalizes this as six weeks, so I accepted just "six weeks" as well]
5. A [May vary for other teams]
6. A
7. 15 seconds
8. D [Answer A is technically correct too, but D is clearly the better answer]
9. C
10. D
11. C
12. D
13. B
14. A
15. Ten
16. Two minutes and fifteen seconds
17. C
18. In the auto zone
19. 40
20. B
21. B
22. C [Note: It is not b as a tote stacked so that it's longest side is vertical would go over the backstop in less than 6 totes]
23. D
24. Six
25. C
26. Eight
27. One
28. Unprocessed litter OR scoring a recycling container on one level OR a robot set
29. During playoffs OR if a robot is touching the stack
30. 42 points
31. A recycling logo and the FIRST logo
32. The step, the landfill zone, the alliance stations, and staging zones [Half credit earned if only 2 or 3 right]
33. There are two totes stacked on a single tote, not all totes are yellow totes, or the stack falls over before 3 seconds are up (answers may vary.)
34. The LEDs on the two player stations, or alternately the scoreboard
35. C
36. Six points
37. D
38. When the LED lights are green
39. A
40. A
41. During transport ["Always" is also an acceptable answer, as there is always a height limit]
42. 27'x54'
43. A
44. B
45. A
46. B
47. 120lbs
48. Cumulative sum of Coopertition Points
49. Varying answers, can be as simple as "snake picking."
50. Broken field elements (NOT game pieces), power failure, or field errors, proper activation by the FMS, or errors by field staff. Some other varying answers.