# Congratulations! You passed!

**TO PASS** 80% or higher

Keep Learning

# Question 2.06

**TOTAL POINTS 1**

1. Compared to a multiple comparisons test that controls the experimentwise error rate, what characteristics will a multiple comparisons test that only controls the comparisonwise error rate tend to have? Select all that apply.

   **1 / 1 point**

   ☑ a higher Type I error rate, but a lower Type II error rate

   ✓ **Correct**

   If only the comparisonwise error rate is controlled, the overall risk of a Type I error across all the comparisons is increased (and therefore the risk of Type II error is decreased), so the test might find more significant differences than would otherwise be found.

   ☐ a lower Type I error rate, but a higher Type II error rate

   ☐ fewer significant differences than might otherwise be found

   ☑ more significant differences than might otherwise be found

   ✓ **Correct**

   If only the comparisonwise error rate is controlled, the overall risk of a Type I error across all the comparisons is increased (and therefore the risk of Type II error is decreased), so the test might find more significant differences than would otherwise be found.