

# Materials Selection, Constraints, and Lifecycle Data

g12\_u04\_w16

## Purpose and boundary

Compare original fictional evidence tables. No fabrication, purchasing, disposal instruction, or real-product recommendation is requested.

**Targets:** I can state criteria, compare tradeoffs, and report a bounded evidence-table decision. **Vocabulary:** criterion, constraint, weight, tradeoff, lifecycle boundary, uncertainty. **Prerequisites:** materials evidence, graph/table reading, model limits.

1. What is a criterion?

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2. What is a constraint?

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3. Why should criteria be stated before comparison?

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4. What does a weight represent in a fictional table?

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5. Why is a weight not an objective fact?

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6. What is a tradeoff?

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7. Why may two choices fit different criteria?

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8. What does a lifecycle boundary include?

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9. Why can boundary choices change a comparison?

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10. What does uncertainty add to a table?

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11. Card T has two candidates. What must be checked before ranking?

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12. Why should a conflicting row remain visible?

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13. What is one prohibited real-world conclusion?

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14. Why is a paper ranking not a purchase decision?

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15. Name one missing fictional evidence card that could matter.

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16. Give one non-color-only table access feature.

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17. Write a cautious criterion-based comparison.

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18. What claim can a weighted total support?

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19. What claim can it not support?

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20. Write a two-sentence bounded decision note for Card T.

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