

Molecular Design Challenge with Stated Constraints

g12_u05_w20

Build an original fictional paper/data rationale. No synthesis, device construction, fabrication, or product selection is requested.

1. What is a design criterion?

2. What is a constraint?

3. Why should a rationale name evidence?

4. What is a model limitation?

5. Why must alternatives remain visible?

6. What is a non-actionable next measurement?

7. Why is a next measurement not a procedure?

8. What does uncertainty add to a rationale?

9. Why may criteria conflict?

10. What does a design boundary prevent?

11. Card R has two candidates. What must be compared?

12. Why is a favored candidate not automatically best?

13. What evidence can support a paper rationale?

14. What evidence is missing from a fictional card?

15. Why should a claim distinguish model from observation?

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

17. State one prohibited synthesis or product claim.

18. Write a bounded criterion comparison.

19. Propose one fictional next evidence card.

20. Write a two-sentence design rationale with limitation.
