

Surface Chemistry, Adsorption, and Catalysis Data Models

g12_u07_w25

Interpret original fictional surface and rate cards. No lab procedure, material handling, device use, or environmental intervention is requested.

1. What is an interface in a model?

2. What is adsorption as a model relation?

3. Why is adsorption not automatic proof of removal?

4. What does surface area label represent?

5. Why can surface area affect a stated card trend?

6. What is a catalyst model?

7. Why does a catalyst model not prove a mechanism?

8. What does a rate card require before comparison?

9. Name one omitted condition.

10. What is a control comparison?

11. Card A shows higher modeled adsorption. What is directly supported?

12. What environmental claim is not supported?

13. Why can two surfaces differ?

14. What additional fictional evidence card could help?

15. Why should a model label include uncertainty?

16. Give one non-color-only graph feature.

17. State one prohibited treatment or intervention claim.

18. Compare a surface model with a measured observation.

19. Write a cautious adsorption observation.

20. Write a two-sentence bounded conclusion for Card A.
