

Atmospheric, Ocean, and Soil Chemical-Cycle Models

g12_u07_w27

Interpret original fictional chemical-cycle cards. No environmental intervention, sampling, regulation, or real-world decision is requested.

1. What is a system cycle model?

2. Why must reservoirs be labeled?

3. What does a transfer arrow represent?

4. Why is an arrow not proof of a real flux?

5. What is an equilibrium model relation?

6. Why can redox labels matter in a card?

7. What is a boundary assumption?

8. Why can a cycle be incomplete?

9. Name one omitted condition.

10. What does uncertainty add?

11. Card C has two labeled reservoirs. What accounting question follows?

12. What environmental conclusion is not supported?

13. Why may multiple pathways fit a card?

14. What additional fictional evidence card could help?

15. Why should time scale be stated?

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

17. State one prohibited regulatory or intervention claim.

18. Compare a cycle model with monitoring data.

19. Write a cautious transfer observation.

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