

Grade 11 Unit 8 Quiz

Chemical Systems and Sustainability

All cards are fictional paper models. No fieldwork, chemical handling, environmental intervention, product selection, or real-world recommendation is requested. Total points: 18.

1. Define a system boundary for a chemical-systems model. [3 pts]

2. A card shows 4.0 and 5.2 arbitrary units. Find the percentage increase from the first to the second. [3 pts]

3. Explain why a systems trend cannot alone support a broad sustainability claim. [3 pts]

4. Identify one tradeoff that a responsible paper-model comparison should make visible. [3 pts]

5. State one uncertainty or omitted variable in a lifecycle or systems card. [3 pts]

6. Write a bounded CER about a systems card, with no intervention or product recommendation. [3 pts]
