

Grade 11 Unit 9 Quiz

Research and Quantitative Synthesis

All evidence is supplied fictional paper-model data. No experiment, external data collection, chemical handling, device use, or research submission is requested. Total points: 18.

1. Write a focused, bounded question answerable from a supplied fictional chemistry card. [3 pts]

2. Identify one difference between an observation and an inference in a model report. [3 pts]

3. A card gives values 7.2, 7.5, and 7.9 arbitrary units. Find the range. [3 pts]

4. State one criterion for judging a fictional source or evidence card. [3 pts]

5. Explain why agreement between two cards does not eliminate uncertainty or alternative explanations. [3 pts]

6. Write a bounded CER integrating two fictional evidence types. Include a limitation and no experiment, recommendation, or submission claim. [3 pts]
