

Name _____

Light Debate Answer Key

1. Claim B is better supported by evidence.
2. The average height of 25 centimeters and the strong upright stems support Claim B best.
3. The statement that blue light looked brighter is weak because it is an opinion, not measured data.
4. Possible answers include more measurements over time, plant mass, or a larger number of plants.

Teacher's Guide

- This worksheet builds skills in **scientific argument evaluation**, evidence quality, and reasoning.
- For differentiation, review the difference between **measured data** and **opinions** before students begin.
- For engagement, let students graph the height data before choosing a claim.
- For extension, have students write their own Claim C with supporting evidence.
- For advanced learners, challenge them to critique the **experimental design**.
- For struggling readers, highlight numbers and measurable facts in each evidence list before answering.