

Write a science explanation in English

Learning goal: I can make a claim, support it with evidence and explain a limit.

Practice values

These invented values are for writing practice. They are not evidence from a real investigation.

- Group A: six hours of light each day; growth of 8 cm after two weeks.
- Group B: three hours of light each day; growth of 5 cm after two weeks.
- Both groups received the same amount of water.

Factor compared: hours of light each day. Measured outcome: growth after two weeks. Water is the only condition explicitly stated as equal; other conditions are not specified.

Word bank

claim · evidence · result · compare · because · however · conclusion

Model paragraph

Hours of light is the factor compared, and growth after two weeks is the measured outcome. Group A received six hours of light each day and grew 8 cm; Group B received three hours and grew 5 cm. Both groups received the same amount of water, the only condition explicitly stated as equal. Group A grew 3 cm more in this example. However, these values do not show that light caused the difference, and other conditions are not specified as equal.

Label the comparison

The factor compared is _____. The measured outcome is _____.
The only condition explicitly stated as equal is _____.

Build your paragraph

1. My claim is that _____.
2. The results show _____.
3. This evidence supports my claim because _____.
4. However, this example does not prove _____.

Read back

- I used both values accurately.
- I explained how the evidence links to my claim.
- I used because or however to connect ideas.
- I wrote a limit instead of claiming more than the data shows.