

Student Name: _____

Date: _____

Section 1: Multiple Choice

1. A conclusion should:

- Introduce new question
- Reference hypothesis and data
- Only state what happened
- Avoid mentioning errors

2. 'More fertilizer = taller plant' describes:

- Inverse relationship
- No relationship
- Direct relationship
- Controlled variable

3. Sources of error should be:

- Hidden
- Discussed in conclusion
- Used to change hypothesis
- Blamed on equipment

4. Which is a valid scientific conclusion?

- I think plants like music
- Data shows Group B grew 4cm more
- The experiment was fun
- We should try again

5. Correlation means:

- One causes another
- Two things are related
- Experiment failed
- Data is wrong

Section 2: Short Answer

1. Write a conclusion sentence: 'My data shows... which supports/rejects my hypothesis because...'

2. Difference between correlation and causation? Give an example of each.

3. Student got results that didn't match hypothesis. Should they change the hypothesis or accept results? Explain.

Multiple Choice Answers:

1. B
2. C
3. B
4. B
5. B