

Science

Experimental Design Template

1. Testable Question/Problem
2. Hypothesis (2 part: what you think will happen and WHY?)
3. List of Materials
4. Procedure (logical; step by step) <ul style="list-style-type: none">• Manipulated Variable (independent variable; “the treatment”)• Responding Variable (dependent variable; “the outcome”)• Experimental Control (standard for comparison; “untreated”)• Controlled Variables (things you keep the same; “constants”)• e. Validity Measures (clean lab equipment before you begin; repeat trials; record data, etc.)
5. Data Table
6. Graph
7. Conclusion (4 part)