

Fire Science Laboratory

Short Form for Short Tests

The purpose of this form is to provide a simple way for students to develop an Experimental Plan for short, uncomplicated tests rather than using the Experimental Plan Template. The numbers listed below match the steps in [How to Develop an Experimental Plan](#). You should read that first to learn how to develop a plan and then use the following format to present it.

1. Background

Reason for doing experiment:

2. Objective

Data/information you trying to obtain:

3. Process flow and instrumentation diagram (PID)

Draw your PID:

4. PID components

List components of PID:

5. Safety issues

List materials and chemicals to be used, required use and hazards:

List Protective Personal Equipment to be worn to protect against those hazards:

6. Failure possibilities

List failure possibilities of EACH of the PID components and how you will minimize these:

10. & 11. Apparatus checkout

How will you know if all the components work properly:

12. Team review

Explain how all team members will know what is going on:

13. & 14. Pre-test and test

Explain how you will know the information obtained is valid (i.e., reasonable or makes sense):

15. Post-test

List what/how you will clean post-test:
