

Fire Science Laboratory

Vaporizer Review

The purpose of this form is to provide a way for students to review their understanding of the Vaporizer. This information can be found in the [Vaporizer Standard Operating Procedures](#). This form is to be submitted with the [Sign-up and Summary Sheet](#).

General

1. Describe in general the components of the vaporizer system?

2. What are the lights on the control panel?

3. How is the waterbath temperature controlled?

4. Under what conditions are you NOT allowed to run a test? Why? How do you know when these conditions exist?

Theory

12. What is the purpose of using the vaporizer?

13. How do you calculate fire size? How do you control fire size?

14. How do you calculate how much liquid is left in the bottle?

15. How much energy does it take to vaporize the propane for a given fire size?

16. How does the mass flow controller work?
