

# Fire Science Laboratory

## Smoke Chamber Review

---

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

---

### **General**

1. What are the various units of smoke measurement?

---

---

---

---

---

2. What does the Smoke Chamber measure?

---

---

---

---

---

3. How do you properly prepare/mount a sample?

---

---

---

---

---

4. Why is the chamber kept airtight?

---

---

---

---

---

---

---

---

---



**Theory**

12. How is specific optical density measured?

---

---

---

---

---

---

13. How do you avoid coagulation?

---

---

---

---

---

---

14. Why is the wall temperature measured?

---

---

---

---

---

---

15. Why does a pilot ignition change the test results?

---

---

---

---

---

---

16. How does a photo-multiplier work?

---

---

---

---

---

---