

# Fire Science Laboratory

## LIFT Review

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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 [LIFT Standard Operating Procedures](#). This form is to be submitted with the [Sign-up and Summary Sheet](#).

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### **General**

1. Why is the Apparatus called a Lateral Ignition Flame Transport (LIFT)?

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2. How do you properly prepare a sample?

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3. The LIFT is used to determine what parameters?

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4. How is data acquisition accomplished?

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**Theory**

12. How does the LIFT measure ignition?

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13. How is flame spread or transport measured?

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14. What levels of incident heat flux can be generated?

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15. Why is the burner at an angle to the specimen?

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16. How does a heat flux gage work?

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