

# Fire Science Laboratory

## LODS Review

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

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### **General**

1. What does LODS stand for?

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2. How do you properly prepare a sample?

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3. LODS analyzes the gas stream for what parameters?

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4. What filtration or modification is made to the gas stream before it reaches each analyzer?  
Why?

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**Theory**

12. How does the LODS measure heat release rate?

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13. How is oxygen consumption measured?

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14. How is smoke production measured?

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15. What is the ignition source for your sample?

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16. How does a bi-direction probe work?

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