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Burn Lab

Use this worksheet to capture the results of your burn lab, including pictures. Refer to [The Burn Test](https://www.threadsmagazine.com/app/uploads/2013/06/T168_Burn_Test_Chart.pdf) chart from *Threads* magazine to identify the fabric.

***BE CAREFUL!***

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| **Fabric 1** *Insert picture of fabric swatch* |  |
| Behavior of the fabric as it approached the flame | It didn’t do anything until |
| Behavior of the fabric in flame | It started to fray as it burned |
| Behavior of the fabric when removed from flame | It continued to fray and then slowly the flame went out |
| Describe odor *(don't smell until cool!)* | It smelt like sparklers on the fourth of July. |
| Describe the ash | It was flakey and fell off the fabric |
| Picture of burning fabric OR the resulting ash |  |
| What type of fabric did you test? | *Denim* |

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| **Fabric 2** *Insert picture of fabric swatch* |  |
| Behavior of the fabric as it approached the flame | This one also didn’t do anything until it was in the flame |
| Behavior of the fabric in flame | It caught very quickly and burned very fast |
| Behavior of the fabric when removed from flame | It continued to burn and wouldn’t stop I had to blow it out |
| Describe odor *(don't smell until cool!)* | It smelt like burning toast |
| Describe the ash | It was blackened and chard |
| Picture of burning fabric OR the resulting ash |  |
| What type of fabric did you test? | *Cotton* |

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| **Fabric 3** *Insert picture of fabric swatch* |  |
| Behavior of the fabric as it approached the flame | It curled a little bit and it caught fire before it was even in the flame |
| Behavior of the fabric in flame | It burned very quickly |
| Behavior of the fabric when removed from flame | It kept burning and wouldn’t go out until I blew it out |
| Describe odor *(don't smell until cool!)* | It smells like cigarettes |
| Describe the ash | It was flakey and fell off the fabric |
| Picture of burning fabric OR the resulting ash |  |
| What type of fabric did you test? | *Half polyester half cotton* |

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| **Fabric 4** *Insert picture of fabric swatch* |  |
| Behavior of the fabric as it approached the flame | It curled away |
| Behavior of the fabric in flame | It slowly burned and melted |
| Behavior of the fabric when removed from flame | It stopped burning pretty quickly |
| Describe odor *(don't smell until cool!)* | It smelt like burnt popcorn |
| Describe the ash | It was more melted fabric |
| Picture of burning fabric OR the resulting ash |  |
| What type of fabric did you test? | *Polyester* |