Name: Miriam Heiss

Date: 1-22-26

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!***

|  |  |
| --- | --- |
| **Fabric 1** *Insert picture of fabric swatch* | A piece of fabric with elephants on it  AI-generated content may be incorrect. |
| Behavior of the fabric as it approached the flame | Curled away, burned quickly |
| Behavior of the fabric in flame | Melted, caught flame quickly |
| Behavior of the fabric when removed from flame | Continued to burn |
| Describe odor *(don't smell until cool!)* | Vinegar-y, also like burned marshmallows and paper. |
| Describe the ash | Flaky, dark |
| Picture of burning fabric OR the resulting ash | *A piece of cloth on a plastic plate  AI-generated content may be incorrect.* |
| Which fiber content do you believe you tested? | *Cotton/Acetate blend* |

|  |  |
| --- | --- |
| **Fabric 2** *Insert picture of fabric swatch* |  |
| Behavior of the fabric as it approached the flame | Curled away and blackened, started smoking, took a long time to ignite |
| Behavior of the fabric in flame | Burned slowly, sputtered |
| Behavior of the fabric when removed from flame | Kept burning for a little bit and then went out |
| Describe odor *(don't smell until cool!)* | Musty, thought it was chemical at first but then I burned hair to test, and it smelled like hair |
| Describe the ash | There wasn’t a lot of ash, but it was easy to crush and a little bit crispy |
| Picture of burning fabric OR the resulting ash |  |
| Which fiber content do you believe you tested? | *Wool* |

|  |  |
| --- | --- |
| **Fabric 3** *Insert picture of fabric swatch* |  |
| Behavior of the fabric as it approached the flame | Curled and smoked a little bit |
| Behavior of the fabric in flame | Melted and caught fire quickly |
| Behavior of the fabric when removed from flame | Kept burning and melting |
| Describe odor *(don't smell until cool!)* | It smelled really bad and chemical-y |
| Describe the ash | The bead was stretchy and gummy until it was all the way cool |
| Picture of burning fabric OR the resulting ash |  |
| Which fiber content do you believe you tested? | *Spandex* |

|  |  |
| --- | --- |
| **Fabric 4** *Insert picture of fabric swatch* |  |
| Behavior of the fabric as it approached the flame | Started curling and smoking |
| Behavior of the fabric in flame | Appeared to be melting, it curled and was smoking, took a while to catch fire |
| Behavior of the fabric when removed from flame | Continued to smoke, but stopped burning |
| Describe odor *(don't smell until cool!)* | This smelled absolutely horrible, it was definitely like burnt hair |
| Describe the ash | The bead was really crumbly and easy to crush |
| Picture of burning fabric OR the resulting ash |  |
| Which fiber content do you believe you tested? | *Silk* |