

# Answer Key

## Great Balls of Fire!

<i>Fiber</i>	<i>Easy or difficult to ignite?</i>	<i>Source of fabric</i>	<i>Product/uses</i>	<i>Rate of Burn (fast/slow)</i>	<i>Odor</i>	<i>Ashes</i>
<i>Wool</i>	Difficult	Wool is shorn from sheep (Utah ranks 6th in U.S. sheep production)	Sweaters, pants, coats, mittens, hats	Slow	Burning hair	Crushable black ash
<i>Cotton</i>	Easy	Fiber surrounding the seed of the cotton plant	Jeans, T-shirts, sheets, underwear	Fast	Burning paper	Soft ash
<i>Polyester</i>	Smolders, doesn't really ignite	Petroleum	All kinds of clothing and household goods	Fast	Sweet	Hard black bead
<i>Nylon</i>	Smolders, doesn't really ignite	Petroleum	Exercise/sports clothing, nylons	Fast	Chemical	Brittle black hard bead
<i>Linen</i>	Easy	Fiber from the stem of the flax plant	All kind of clothing and household goods	Fast	Burning paper	Soft ash
<i>Acrylic</i>	Smolders, doesn't really ignite	Petroleum	Sweaters, shirts, and other clothing items	Fast	Chemical	Brittle black hard bead
<i>Silk</i>	Difficult	Filaments which silkworms spin to make their cocoons	Evening wear, ties, undergarments, bed linens	Slow	Burning hair	Crushable black ash
<i>Other</i>						

## Great Balls of Fire Questions

1. Wool provides insulation and cotton releases body heat. In some desert regions they wear wool, thinly woven wool, because it breathes, and it can also insulate from extreme heat.

The answers to questions 2-9 will vary.

## Clothing Rack Consumer

- |        |       |        |        |       |       |
|--------|-------|--------|--------|-------|-------|
| 1. 5   | 2. 12 | 3. 1   | 4. 1   | 5. 13 | 6. 16 |
| 7. 3   | 8. 4  | 9. 10  | 10. 11 | 11. 2 | 12. 8 |
| 13. 14 | 14. 7 | 15. 15 | 16. 9  |       |       |

## Clothing Historian

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|--|---------------|
| 1. India, Egypt, China, Mexico, and Peru | 4. Iraq, wool |
| 2. the cotton gin                        | 5. silkworms  |
| 3. flax and linen, 7000 years old        |               |