A physical property is an aspect of matter that can be observed or measured without changing it.

A chemical property is a property or characteristic of matter that is observed during a reaction in which the chemical composition or identity of the matter is changed.

1. Explain how you tested one item for its physical properties and for its chemical properties. Tell what you discovered about that item.

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2. Why do you think scientists would need to use both physical property and chemical property tests to identify fibers or other items?

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3. Synthetic fibers were created by scientists in labs. Since there are excellent fibers found in nature, what reasons can you give for scientists deciding to create synthetics?

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