



Canada Agriculture and Food Museum

Exploring properties of fibres

Name:

Date:

Name your article and its purpose (e.g., staying dry, keeping warm). Then use your senses to examine the material used to make your article. The questions below will help you identify certain properties of the material. Check the answer that best describes what you observe.

The article I'm examining is a(n) _____.

It's used for _____.



1. Flexibility



Does the material fold easily?

- Yes,** the material is flexible.
- No,** the material is stiff.

2. Stretch



Can the material be stretched, and does it then regain its original shape?

- Yes,** the material is stretchy.
- No,** the material is not stretchy.



3. Water Repellency



Does the material repel water?

- Yes,** the material is water repellent.
- No,** the material is water absorbent.

4. Softness



Does the material feel pleasant to touch?

- Yes,** the material is soft.
- No,** the material is rough.

5. Transparency



Can light be seen through the material?

- Yes,** the material is transparent.
- No,** the material blocks the light.



Results: fibre properties

Use this chart to record the data you have gathered. Circle the words that correspond to your answers to the questions.

	The material is ...	
1. Flexibility	Flexible	Stiff
2. Stretch	stretchy	not stretchy
3. Transparency	transparent	not see through
4. Water Repellency	water repellent	water absorbent
5. Softness	Soft	Rough



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