



Tough and Flexible Materials

You are going to investigate which material is tough and flexible. You will need to consider the properties of the materials and what they are useful for.

Can you find a material which is:

- ⇒ Tough: _____
- ⇒ Flexible: _____
- ⇒ Rigid: _____
- ⇒ Hard: _____
- ⇒ Soft: _____
- ⇒ Stretchy: _____
- ⇒ Stiff: _____

Using your material, predict and investigate whether they are flexible or tough.

| Materials | Do you think it will be tough or flexible? | |
|-----------|--|-----------------------------|
| | Prediction Tough or Flexible | Result Tough or Flexible |
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The different properties of materials make them useful for different things. Glass is useful for windows because it is transparent, meaning you can see through it.

What material could you use to make clothes and why?

What material could you use to make an umbrella and why?

What material would you use of build a house and why?

