

Material properties : how to know if the material is.....

Absorbent: Does the material change when dipped in water?

Elastic: Does the material stretch and then return to shape?

Electrical Conductor: Does electricity flow through when the material is used to complete a circuit?

Thermal conductor: Does the material allow heat to go through it?

Flexible: Does the material bend without breaking?

Magnetic: Is metal attracted to the material?

Hard: Can you scratch the surface of the material?

Transparent: Can you see through the material?

Strong: Can you break the material?

If the answer is 'yes,' it has that property; if the answer is 'no,' it has the opposite property.

Waterproof: it doesn't change when it comes into contact with water.

Plastic: it does not return to shape

Insulator: electricity doesn't flow through it

Thermal insulator: it doesn't allow heat or cold to go through it

Rigid: it breaks when you bend it

Non- Magnetic: metal is not attracted to the material.

Soft: you can easily scratch the surface.

Opaque: you cannot see through the material.

Weak: it's easy to break.

Would you make.....?

<u>Object</u>	<u>Yes/No</u>	<u>It must be</u>	<u>Good material</u>
<u>a chair out of string?</u>		Rigid, strong	Wood, plastic, metal
<u>a knife out of plasticine?</u>			
<u>a bucket out of paper?</u>			
<u>a magnet out of plastic?</u>			
<u>a coat out of metal?</u>			
<u>a ball out of glass?</u>			