

Some common materials and their properties

Wood



Hard, strong, stiff

Plastic



Strong, shiny, bendy

Glass



Transparent, smooth, stiff

Metal



Hard, strong, shiny

Water



Runny, wet, clear

Rock



Hard, strong

What does *material* mean?

All objects have a name like 'a door'.
Material is the 'stuff' an object is made from

Names of some common properties of materials

Hard

Not easily broken

Soft

Easy to cut, fold or change shape

Stretchy

Can be made longer or wider without breaking

Stiff

Doesn't change shape easily

Shiny

Reflects light easily

Dull

Not very bright or shiny

Rough

Has an uneven surface

Smooth

An even surface with no lumps or bumps

Bendy

Can be bent easily

Not bendy

Can't be bent easily

Waterproof

Keeps out water

Not waterproof

Lets water in

Absorbent

Soaks up liquid easily

Not absorbent

Doesn't soak up water easily

Transparent

Able to see through it easily

Opaque

Not able to see through

Key Vocab

1	Properties	A way to describe something
2	Material	The 'stuff' an object is made out of
3	Liquid	Liquids can flow or be poured easily
4	Surface	An outside part or layer of something
5	Object	A thing that can be seen and touched



Properties of an umbrella

Umbrellas are always waterproof



Umbrellas can be transparent



Umbrellas can be opaque



There are all sorts of umbrella designs



You can put materials into different groups by answering questions about the material

Hard or soft?
Stretchy or stiff?
Shiny or dull?
Rough or smooth?
Bendy or not bendy?
Waterproof or not waterproof?
Absorbent or not absorbent?
Transparent or opaque?

Soft



rubber



leather



wool



cotton



fabric



ice



plastic



water



diamond



glass

Transparent



Elastic band



Balloon



Slime



Curly Wurly

Stretchy



wood



metal

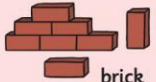


plastic



stone

Hard



brick



ceramic



ice



diamond



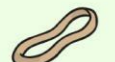
glass



plastic



paper



rubber

Bendy



fabric



leather



leaves



metal