

Knowledge Organiser

Y2

Everyday Materials



Charles Macintosh was a Scottish inventor who invented waterproof materials in 1818. The raincoat was named after him in 1826.

Vocabulary

Material	Anything used to build or make something
natural	Grown from nature
man made	Made by humans
solid	Cannot be squashed, fixed shape, rigid
liquid	Not rigid, no fixed shape
properties	This is what a material is like and how it behaves (e.g. stretchy, shiny)
suitability	Having the right properties to do a job
waterproof	Does not let water through
shiny	Smooth and reflects light
dull	Not bright



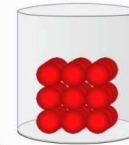
Working scientifically

describe	compare	record	measuring	observe	question

The shapes of solid objects made from some materials can be changed by bending, twisting, stretching and squashing.



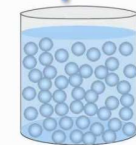
solid



- rigid
- fixed shape
- fixed volume

cannot be squashed

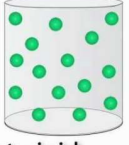
liquid



- not rigid
- no fixed shape
- fixed volume

cannot be squashed

gas



- not rigid
- no fixed shape
- no fixed volume

can be squashed



wood:
hard, stiff, strong, opaque, can be carved into any shape.



glass:
waterproof, transparent, hard, smooth.



plastic:
waterproof, strong, can be made to be flexible or stiff, smooth or rough.



metal:
strong, hard, easy to wash.



paper:
lightweight, flexible.



cardboard:
strong, light, stiff.



fabric:
soft, flexible, hard-wearing, can be stretchy, warm, absorbent.



rubber:
hard-wearing, elastic, flexible, strong.