

Everyday Materials



wood



metal



rubber



plastic



water



glass



rock



fabric

What can metal be used to make?

Metal can be used to make coins, tin cans, table legs, scissors, cars, scaffolding and more.

Significant scientist Abbas Ibn Firnas

Abbas Ibn Firnas is known for being the first person to fly! He also used sand and stones to make colourless glass. He created the first lens for reading. Instead of glasses to wear, it was a glass stone that people moved across the page. He was born in Andalusia in 810.



Y2 Materials



What are the properties of this chair?

The wooden chair is hard, smooth, strong and stiff.



Why is wood a good material to build a house?

Wood is **strong** so it is good for building walls and roofs. Wood is also **waterproof** so it will keep the rain out. Wood can be sawn into pieces and is **flexible** so it can be bent and cut into shape.



What is the difference between elastic and flexible?

stretching



When something is **elastic** it is stretchy. When something is **flexible** it is bendy. Both flexible and elastic materials do not break easily.

bending



What properties should a swimsuit fabric have?



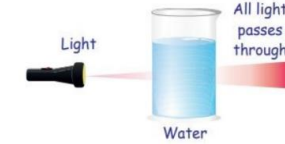
A swimsuit fabric should be **flexible** and **elastic** so it stretches easily when we put it on. It should also **soft** and **smooth** so it is comfortable against our skin. It is also helpful if it is **waterproof** so it doesn't absorb too much water and become heavy.

Key Vocabulary

material	the substance used to make something
property	words that describe what something is like.

transparent

Transparent objects are easy to see through



soft

Soft objects are easy to cut fold or change shape.

opaque

We can't see through opaque objects



hard

Hard objects do not break or change shape easily



absorbent

Absorbent materials soak up liquids easily



smooth

Smooth objects have an even surface with no bumps



flexible

Bendy objects that can bend easily without breaking.



waterproof

Waterproof materials keep out liquids.



rough

Rough objects have an uneven surface. They are bumpy.



stiff

Stiff objects don't change shape easily

