

Year 1

Science- Materials

Big Questions

What is the difference between an object and the material it is made from?

Which words can you use to describe a material?

Are there similarities and differences between materials?

Can you predict how a material will change?

Can materials be sorted into different groups?

Did you know?

- Materials can be man-made or natural. Natural materials include rock and wood. Man-made materials include glass and plastic.
- A plastic bottle will take 450 years to decompose (break down)
- A glass bottle could take 1 million years to decompose (break down)
- Natural rubber is made of a runny, milky liquid called latex which comes from some plants.
- Plastics are a man-made material made mostly from oil.

Key Vocabulary

object	A thing that can be used. For example a door, chair, car, table are all objects .
material	Materials are what an object is made from.
hard	Not easily broken or bent.
soft	If something is soft , it is easy to cut, fold or change the shape of.
stretchy	Can be pulled to make it longer or wider without breaking.
shiny	Reflects light easily.
dull	Doesn't reflect light. Doesn't look bright or shiny .
rough	If something is rough , it feels and looks uneven or bumpy.

smooth	Smooth objects have no lumps or bumps.
bendy	Bendy things can be bent easily into a curved or folded shape.
not bendy	If something is not bendy , it can't be bent easily into a curved or folded shape.
waterproof	If something is waterproof , it keeps water out. It keeps things dry.
not waterproof	Not waterproof materials let water in.
absorbent	If something is absorbent , it soaks liquid up.
not absorbent	If something is not absorbent , it does not soak up liquid.
transparent	Transparent objects can be seen through.
opaque	Opaque objects can't be seen through.

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Materials:



plastic



wood



metal



brick



fabric



water



glass

Which objects
could be **made**
out of these
materials?



paper



stone