

Materials

Science of Materials

Can you explore the Properties of some materials around your house and garden?

Describing Materials

Any substance that is used to make something is a material.

Natural materials such as stone, wood and cotton are used or worked with in the way they are found in nature.

Synthetic or man-made materials are made from natural materials, but are altered with the help of heat or chemicals. Some examples include plastics, polyester and Kevlar.



Separate your collection into synthetic (man-made) or natural materials.

Now present your information as a table of your own design.

Challenge: What can you discover about the materials you found? E.g. Aluminium foil is made from pure aluminium that has been rolled into thin sheets. It wraps around food items really well without contaminating them and can be heated in the oven without it melting because it has a very high melting point.