

Materials

Switch on

What are these made of? Match the pictures with these materials (you can find different materials on one picture).

Aluminum	ceramic	fiberglass	nylon	concrete	polystyrene
rubber	steel	titanium	copper	aluminum	



What	is	this helmet	made of ?	It	is	made of	Polycarbonate.
	's	those screws		They	are		steel.
	are				're		

Bronze is an alloy	which is	made from copper and tin
LEDs are small lights	that are	found on many devices

Vocabulary in action

Match the material properties with the following sentences:

This material doesn't burn or melt if you heat it.
This material doesn't break if you strike it or drop it.
You can easily change its shape.
Electricity can't flow easily through it.
You can't bend this material.
This material doesn't corrode if you put it in water.
Electricity flow easily through it.
It's resistant to long lasting stays in water.
You can't scratch this material or cut it.

It's rigid
It's hard
It's tough
It's heat-resistant
It's corrosion resistant (rustproof)
It's an electrical conductor
It's an electrical insulator
It's flexible
It's rustproof

Match the actions with the verbs in the box:

bend compress cut drop heat scratch stretch strike



Team work n°1

Work in pairs. What are the most important properties of the materials in the box? Discuss with your partner. Give examples of use.

Kevlar Ceramic concrete diamond fiberglass
graphite steel

This material	can/can't		to	resist impact withstand pressure
	is	(un)able		
	has	the ability/capability/capacity	of	resisting impact withstanding pressure
	is	(in)capable		
has	the capability			

Team work n°2

Choose one of these materials and be ready to explain its properties and applications to the class:

