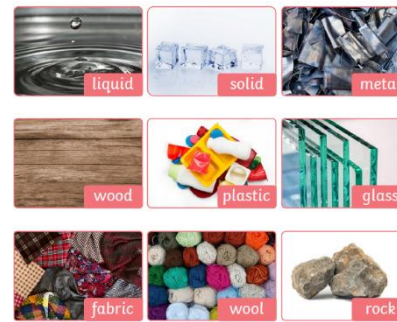


1. To explore materials and identify ways they could be categorised.	2. To explore the material rock and identify it's properties and uses.	3. To distinguish between an object and the material it is made from.	4. To investigate which materials can melt or freeze.	5. To investigate which materials can float or sink.	6. To investigate which materials can absorb water.	7. To investigate which materials would be best to make curtains.
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materials	What an object is made from	materials
soft	A material that feels gentle to touch	soft
hard	A material that does not easily change shape	hard
shiny	A smooth surface that can reflect light	shiny
dull	Not clear, bright or shiny	dull
heavy	Difficult to lift	heavy
light	Easy to lift	light
rough	An uneven surface	rough
smooth	An even surface	smooth
melt	When a solid changes to a liquid	melt
freeze	When a liquid changes to a solid	freeze
ice	Water as a solid frozen water	ice
float	When an object stays on top of the water	float
sink	When an object falls to the bottom of the water	sink
absorb	When liquid is taken in by a material	absorb
transparent	Material you can see through	transparent
opaque	Materials you cannot see through	opaque



Sorting Materials

We can sort the materials that **objects** are made of based on what is similar or different about them.

Describing Materials

Melting and Freezing

When **liquid water** is put in the freezer, it gets colder and colder until it **freezes** and turns into **solid ice**.

When **solid ice** is heated and gets warm, it **melts** and turns into **liquid water**.

When **water freezes**, it turns into **ice**.

When **ice is heated**, it **melts** and turns into **water**.

Floating and Sinking

If something **floats**, it means that when it is put on **water** it stays on top of it.

This boat is **floating** on the **water**.

If something **sinks**, it means that when it is put on **water** it does not stay on top of it. Instead, it **sinks** below the top of the **water** and will then **sink** all the way to the bottom.

This treasure chest **sinks** and has sunk to the bottom of the ocean floor.