

Key Vocabulary

Absorbent	will soak up water or other liquids
Waterproof	won't absorb water or other liquids
Flexible	bends without breaking
Rigid	does not bend
Float	sits on water or liquid
Sink	falls down underneath water or liquid
Transparent	can see clearly through it
Opaque	cannot see through it

Floating and sinking

Video about pushing, pulling and twisting forces, BBC bitesize:
<https://www.bbc.co.uk/bitesize/topics/zn77hyc/articles/zptckqt>

Video about floating and sinking – i-player:
<https://www.bbc.co.uk/iplayer/episode/b0bc29rr/kit-pup-series-1-7-floating-and-sinking>



Let's think like scientists









- Do all small objects float?
- Do all big objects sink?
- Do boats sink?
- Why are lots of boats made from wood?
- Why aren't boats made from wool?

- I can:
- Name an object and the material from which it is made.
 - Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
 - Describe properties of everyday materials (waterproof / absorbent / flexible / sinks / floats).
 - Classify (sort) objects based on their properties or materials.

Properties of materials

Absorbent	Waterproof	Flexible	Rigid	Transparent	Opaque
 Sponge  Tissue	 Wax  Glass	 Elastic bands  Plastic bag	 Wooden chair  Metal coin	 drinking glass  window  Some plastics	 Rocks  Metals  Some plastics

Materials

Wood	Plastic	Glass	Metal	Water	Rock	Fabric	Rubber
							

Quiz

Question 1

Which material is this an example of?

- a) Glass
- b) Metal
- c) Plastic
- d) Wood



Question 2

Which of the following objects is waterproof?

- a) Tissue
- b) Wax
- c) Sponge
- d) Wood

Question 3

Which material is this an example of?

- a) Rubber
- b) Metal
- c) Plastic
- d) Wood



Question 4

Which of the following objects is usually flexible?

- a) Metal coin
- b) Window
- c) Wax
- d) Elastic band

Question 5

Which material is this an example of?

- a) Metal
- b) Plastic
- c) Rubber
- d) Wood



Question 6

Which of the following objects is usually transparent and waterproof?

- a) Metal spoon
- b) Wooden chair
- c) Drinking glass
- d) Elastic band