

Activity Sheet 8: Up thrust forces in water



Use the same object in all liquids.

Liquid	Weight of object in air (N)	Weight of object in liquid (N)	The force of up thrust in the liquid (N)

Which liquid has the lowest upthrust?	
Which liquid has the highest upthrust?	
Why do you think this is?	
Draw a force diagram to show the forces on an object suspended in liquid.	Which liquid will more materials float in? Why?
	How could this be used to sort different materials before they are recycled?

Activity Sheet 9



Flow chart to sort materials by floating and sinking

Fill in the chart with the liquids in order of thickness. Put the runniest liquid at the top.

