

Lab Sheet: Comparing Flow Rate

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Materials needed	
Hypothesis – what do you think will happen?	
Procedure	

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Observations *Remember observations can be recorded with pictures, numbers and/or words!	Fluid	Time for 30 mL to flow through beaker	Flow Rate (mL/s) 30 mL ÷ seconds = flow rate
	Water		
	Ketchup		
	Cooking Oil		
	Syrup		
Conclusions			

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<p>Questions</p>	<p>Which substance had the highest flow rate?</p> <p>Which substance had the lowest flow rate?</p> <p>Was your hypothesis correct?</p> <p>Rank the surface materials from least resistant fluid flow to the most resistant. Why does the type of surface make a difference to fluid flow?</p> <p>What factors do you think affected the flow rate of each liquid? Think back to the factors you explored in the previous section of this learning activity.</p> <p>Can you connect your knowledge of flow rates to an industry, such as construction or the food industry?</p>
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