ame:			
im: To see how varying the amount of water in a beaker affects the rated.	e rate at which its	s temperature r	ises when it i
lipment: Electric hotplate, 2 250mL beakers, 2 thermometers,		Temperature (°C)	
ppwatch.	Time (min)	100 mL	200 mL
	0	100 IIIL	200 IIIL
ethod:	1		
1. Plug in the electric hotplate and switch it on. Allow five	2		
minutes or so for the hotplate to heat up.	3		
2. Meanwhile, pour 100 mL of water into 1 beaker and 200	4		
mL of water into the other.	5		
3. Record the initial temperature of the water in both	6		
beakers.	7		
emperature of water in 100 mL beaker:°C	8		
emperature of water in 200 mL beaker:°C	9		
4. Place both beakers of water onto the hotplate as close as	10		
possible to the centre and start the timer.		I .	
5. Record the temperature of the water in each beaker every	overall		
minute for 10 minutes.	temperature		
6. Calculate the overall temperature change of the water in both beakers.	change		
1. Draw a graph of the results with temperature on the y-axis a on the graph. Label the axes and give the graph a heading.			
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