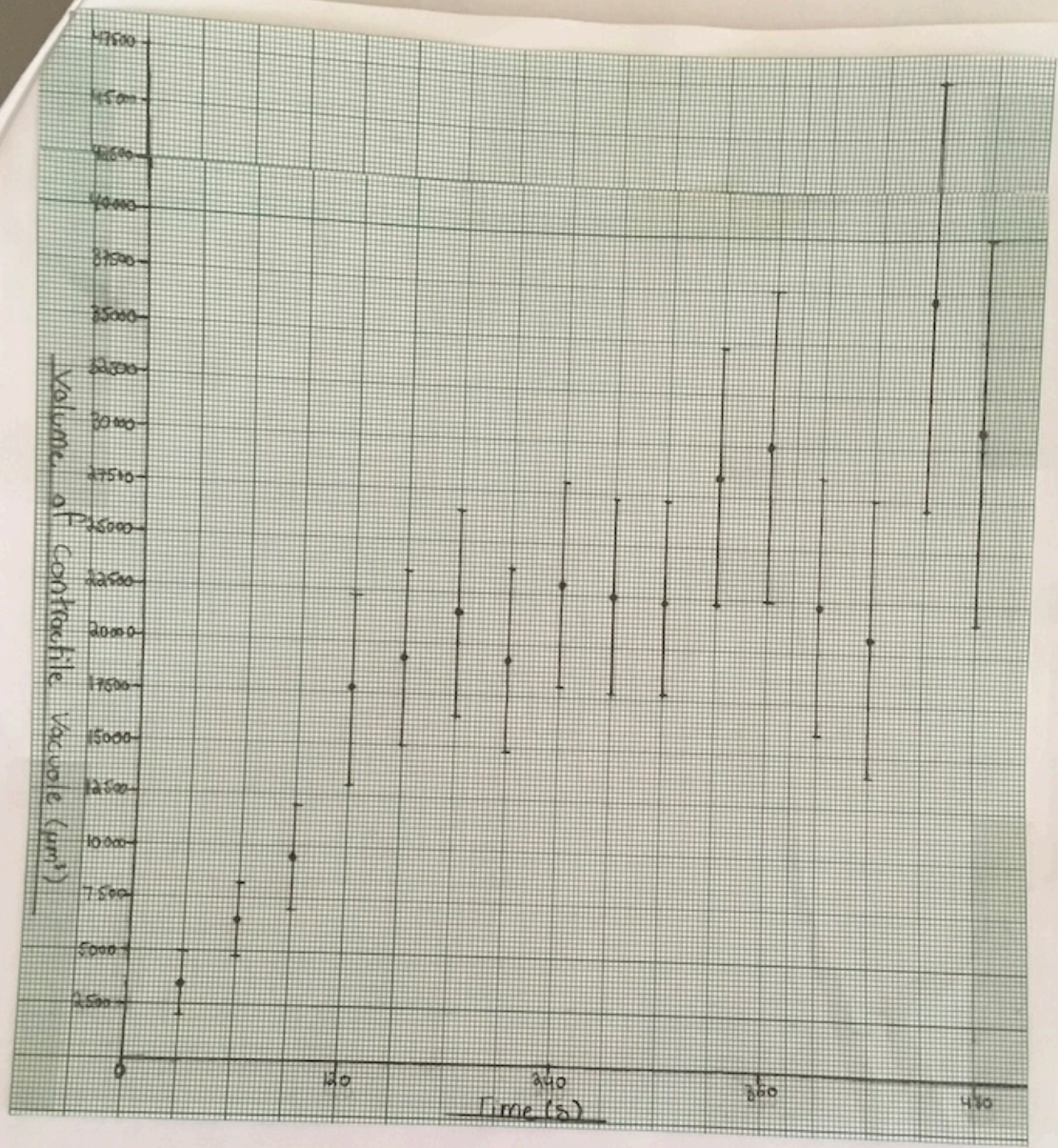


Graph body and layout		
Correct Plot type (scatterplots / straight lines)	1	/1
Graph done on millimetre paper	1	/1
Correct values plotted	1	/1
Borders and / or frame are NOT present	1	/1
Page layout – graph filling 2/3 of the page / use most of avail. space	1	/1
No title present above the graph	1	/1
Symbols visually prominent	1	/1
Error bars (+/-) are present and have the correct length	1	/1
<b>TOTAL</b>	<b>8</b>	<b>/8</b>
Axes		
Axes scale (x- and y-axis intervals encompass data + error range)	1	/1
Number of tick marks is 3 to 5, all tick marks labelled	0	/1
Tick marks consistent and do not obscure data	1	/1
Axes labels (appropriate for variables plotted including SI units)	1	/1
<b>TOTAL AXES</b>	<b>3</b>	<b>/4</b>
Caption		
Begins with a figure number	5	/0.5
First sentence is a specific and complete title	5	/1
No data trends or description included	5	/0.5
Genus and species are indicated	1	/1
Genus and species are correctly written (italics or underlined)	1	/1
States that means are presented	1	/1
Explanation of error bars (standard error)	1	/1
Sample size or sample size range is indicated	1	/1
<b>TOTAL CAPTION</b>	<b>7</b>	<b>/7</b>
General presentation (no smudged lines, readable writing)	1	/1
Spelling (0 errors +1; 1-2 errors: 0.25; 3+ 0)	1	/1
<b>GRAND TOTAL</b>	<b>17</b>	<b>/21</b>
No title page (-1)		
Late Penalty (-10%/day) – Tech skills penalty		
<b>FINAL</b>	<b>20</b>	<b>/21</b>



**Figure 1.** The volume ( $\mu\text{m}^3$ ) of a contractile vacuole in an *Amoeba proteus* vs time. In order to collect the above data, a sample of *Amoeba proteus* was observed under a microscope over the course of approximately eight minutes during which the contractile vacuole, undergoing systole, was photographed every 30 seconds and the diameter was measured using these photos. The data depicts the mean as well as the standard error bars (mean average  $\pm$  standard error) in measured volume that were determined by a sample size ( $n \sim 26$ ).

