

Instructions:

For each **check point**, award yourself:

2 points if you did it really well

1 points if you made a good attempt at it, and partly succeeded

0 points if you did not try to do it, or did not succeed.

### CHARTS AND TABLES SELF-ASSESSMENT

Check Point	Score
You have drawn the chart with a ruler or in a computer data collection program.	
Headings have the correct units in each column or row (there are no units inside the cells/boxes of the table).	
Your chart is easy for someone else to read and understand.	
If your chart contains numerical readings, all readings are to the same number of decimal places (for example 15.5, 9.0).	
<b>Total (out of 8)</b>	

8 Excellent.

7 Good.

5–6 A good start, but you need to improve quite a bit.

3–4 Poor. Try this same results chart again, using a new sheet of paper.

1–2 Very poor. Read through all the criteria again, and then try the same results chart again.

### GRAPHS SELF ASSESSMENT

Check Point	Score
You have drawn the axes with a ruler, and used most of the width and height of the graph paper for the axis labels. For computer-drawn graphs, the scale is adjusted to use the width and height of the graph box.	
You have used a good scale for the x-axis and the y-axis, going up in 1s, 2s, 5s, 10s, or other appropriate scale. The graph is zeroed.	
You have included the correct units with the scales on both axes.	
You have plotted each point precisely and correctly.	
You have used a small, neat cross or dot each point.	
You have drawn a single, clear line – either by ruling a line between each pair of points, or drawing a well-positioned best-fit line.	
You have ignored any anomalous results when drawing the line.	
<b>Total (out of 14)</b>	

12–14 Excellent.

10–11 Good.

7–9 A good start, but you need to improve quite a bit.

5–6 Poor. Try this same graph again, using a new sheet of graph paper.

1–4 Very poor. Read through all the criteria again, and then try the same graph again.

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### PROCESSING OBSERVATIONS & DATA SELF-ASSESSMENT

Check Point	Score
You have analyzed the results quantitatively.	
You have made a claim or drawn a conclusion.	
You have supported your claim or conclusion with quantitative data.	
You have supported your claim or conclusion with qualitative data.	
You have addressed any anomalous or inconsistent results, if applicable.	
You have recognized and addressed possible sources of experimental error.	
<b>Total (out of 12)</b>	

11-12 Excellent.

8-10 Good.

5-7 A good start, but you need to improve quite a bit.

3-4 Poor. Try this same conclusion again.

1-2 Very poor. Read through all the criteria again, and then try the same conclusion again.

### DRAWINGS SELF-ASSESSMENT

Check Point	Score
You used a sharp pencil and rubbed out mistakes really thoroughly.	
You have drawn single lines, not many tries at the same line.	
You have shown the specimen the right shape, and with different parts in the correct proportions.	
You have made a really large drawing, using the space provided.	
You have included all the different structures that are visible on the specimen.	
You have drawn label lines with a ruler, touching the structure being labelled.	
You have written the labels horizontally and neatly, well away from the diagram itself.	
<i>Take 1 mark off if you used any shading or colors.</i>	
<b>Total (out of 14)</b>	

12-14 Excellent.

10-11 Good.

7-9 A good start, but you need to improve quite a bit.

5-6 Poor. Try this same drawing again, using a new sheet of paper.

1-4 Very poor. Read through all the criteria again, and then try the same drawing.

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### EXPERIMENT PLANNING SELF-ASSESSMENT

Check Point	Score
You have stated the variable to be changed (independent variable), the range of this variable and how you will vary it.	
You have stated at least three important variables to be kept constant (and not included ones that are not important).	
You have stated the variable to be measured (dependent variable), how you will measure it and when you will measure it.	
You have drawn up an outline results chart.	
If a hypothesis is being tested, you have predicted what the results will be if the hypothesis is correct.	
<b>Total (out of 10)</b>	

10 Excellent.

8–9 Good.

5–7 A good start, but you need to improve quite a bit.

3–4 Poor. Try this same plan again.

1–2 Very poor. Read through all the criteria again, and then try the same plan again.

### EXPERIMENT EVALUATION SELF-ASSESSMENT

Check Point	Score
You have taken into account the factors that affect this investigation.	
You have evaluated the implementation of your plan in an organized and efficient manner.	
You have suggested necessary modifications to the plan, and carried them out if time allowed.	
You have thoroughly addressed unexpected results.	
<b>Total (out of 8)</b>	

8 Excellent.

7 Good.

5–6 A good start, but you need to improve quite a bit.

3–4 Poor. Try this same evaluation again, using a new sheet of paper.

1–2 Very poor. Read through all the criteria again, and then try the same evaluation again.