

## Brain dissection report marking scheme

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|--|-------------------------------------|
| A Ability to represent information in multiple ways            | <input checked="" type="checkbox"/> |
| B Ability to design and conduct an observational experiment    | <input checked="" type="checkbox"/> |
| C Ability to design and conduct a fair test experiment         | <input type="checkbox"/>            |
| D Ability to communicate scientific ideas                      | <input checked="" type="checkbox"/> |
| E Ability to collect and analyse experimental data             | <input checked="" type="checkbox"/> |
| F Ability to explore alternative solutions and explanations    | <input type="checkbox"/>            |
| G Ability to evaluate models, equations, solutions, and claims | <input checked="" type="checkbox"/> |

Heading	Present =1 mark	Missing = 0 marks	
	2 marks	1 mark	0 marks
<b>Introduction</b>	Demonstrates a good knowledge of the subject matter and the work done by others. Clearly states; <ul style="list-style-type: none"> <li>- the reason why dissections are conducted,</li> <li>- provides examples of early dissection such as Galen’s and Vesalius’s work, especially the <i>Fabrica</i> (1543), and the knowledge gained from such dissections,</li> <li>- the structure of the brain as regions of specialized nerve tissue with specific functions and gives at least two examples.</li> <li>-the reason why the investigation is conducted.</li> </ul>	Demonstrates a moderate knowledge of the subject matter and the work conducted by others. Unclear as to the reason why the investigation is conducted.	<b>Missing</b>
<b>Aim</b>	Clearly outlined the aim of the experiment	The aim of the experiment is not clear as it relates to the investigation procedure.	Missing
<b>Apparatus</b>	Clearly identified all material used in this experiment	Identified some of the material used in this experiment	Missing
<b>Procedure</b>	Outlined in detail the manner in which the experiment was conducted.	Some details of the experimental procedure are missing or not in the right order.	Missing

<b>Results</b>	All drawn diagrams or pictures are clearly and correctly labelled	Some diagrams or pictures are missing or are not clearly labelled or some diagrams are incorrectly labelled .	Missing
<b>Discussion</b>	Accurately describes the appearance and function of each part of the brain as stated on the worksheet.	Accurately describes the appearance and function of some parts of the brain as stated on the worksheet	Missing
	Correctly answers all the questions in the report.	Adequately answers some of the questions in the report.	No questions are correct or answers are missing
<b>Conclusion</b>	Conclusion clearly and concisely answers the aim.	Conclusion does not clearly answer the aim.	Missing

Consider the following when writing your report

- Make arguments based on your data and separate the observations from interpretation.
- Provide sufficient detail to enable others to repeat the same experiment.
- Summarise your findings and observations.
- Do not present raw data. Change the raw data into meaningful statistics - percentages, averages, graphs, comparisons.
- Describe the outcome of the trial.
- Do not use the phrase 'made a mistake' or say that the experiment failed, instead, explain the outcome in terms of observable facts.
- Do not make excuses.
- Explain alternative hypotheses (if applicable).
- Explain issues that you did not consider in your initial design or hypothesis.
- Evaluate whether the test was valid, i.e. if the test was repeated would the same conclusions be reached?