

SL HL Check list for IA report

Make sure you can tick the box to show that each statement has been fully covered.

1. The title of your investigation is stated clearly and is relevant to chemistry. ☐
2. Your IB candidate code (and those of all group members if applicable) is given ☐
3. The total word count is stated immediately after the title of your investigation. ☐
4. Relevant background information is included. ☐
5. The research question is stated clearly. ☐
6. The research question is sharply focused. ☐
7. The research question is described within a specific and appropriate context. ☐
8. The methodology is described clearly. ☐
9. The rationale behind the methodology is explained clearly. ☐
10. The dependent and independent variables (or two correlated variables) are identified clearly. ☐
11. The decisions regarding the scope, quantity and quality of measurements (e.g. the range, interval or frequency of the independent variable, repetition and precision of measurements) are stated and explained. ☐
12. All the controlled variables are identified and the methods of control detailed. ☐
13. The methodology allows for the collection of relevant and sufficient data to answer the research question. ☐
14. Any safety, ethical or environmental issues that needed to be taken into account have been recognised. ☐

15. Sufficient details of the methodology are included so that the investigation could be reproduced. ☐
16. All unnecessary or repetitive information has been avoided. ☐
17. The recording and processing of the data is both clear and precise. ☐
18. All appropriate uncertainties associated with the data are considered. ☐
19. The method used to process the data is clear and unambiguous. ☐
20. The processing of the data is accurate and appropriate to the research question. ☐
21. Correct use of significant figures is used throughout. ☐
22. Correct use of units is used throughout. ☐
23. Correct use of chemical and mathematical terminology and scientific notation is used throughout. ☐
24. All graphs and tables are annotated correctly. ☐
25. A conclusion relevant to the research question is stated and is fully consistent with the processed data, including associated uncertainties
26. The conclusion is justified through relevant comparison to the accepted scientific context. ☐
27. All sources are properly acknowledged and recorded so that they are easily traceable. ☐
28. Limitations and weaknesses of the specific methodology are identified and explained. ☐
29. Realistic improvements to the investigation, relevant to the identified limitations or weaknesses, are suggested and explained. ☐
30. All pages are numbered. ☐
31. The total word count does not exceed 3000. ☐