

OCR (A) Physics A-level

PAG 12.3 - How Science Works Report

Practical Flashcards

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What are some suitable sources to use for research?



What are some suitable sources to use for research?

- Books
- Scientific Articles / Journals
- Websites (google scholar)



What needs to be included in the reference for a book?



What needs to be included in the reference for a book?

- Author(s)
- Title
- Chapter / Page numbers
- Edition
- Date
- Publisher



What needs to be included in the reference for an article?



What needs to be included in the reference for a book?

- Author(s)
 - Title
 - Date
- Journal



What needs to be included in the reference for a website?



What needs to be included in the reference for a book?

- Author(s)
- Title
- Date Written
- URL
- Date Accessed



What is a citation?



What is a citation?

A quotation or reference to an academic text,
included within the body of report.

It could be in the format of *(Name, date)* or as
footnotes with numbered references [1]



What is important to include in a report?



What is important to include in a report?

- Introduction
- Appropriate picture and/or diagrams
- Conclusion
- Points for further research
- Bibliography



What is a hypothesis?



What is a hypothesis?

A proposed solution to a problem posed at the start of an investigation from limited information or initial research.



Why is it important to consider errors and uncertainties in experimental data?



Why is it important to consider errors and uncertainties in experimental data?

Uncertainty can help to decide confidence in a result or conclusion. Errors can help to identify potentially erroneous data and limitations in the design of an experiment.



What should a conclusion include?



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