

Labs Marking Criteria

Introduction

Levels	Aspect 1 Defining the problem and selecting variables	Aspect 2 Formulating an hypothesis	Aspect 3 Describes the method for collection of data
Complete	Formulates a focused problem/research question and identifies the relevant variables.	Formulates a quantitative hypothesis justified by theory.	Describes the method concisely but with all important details.
Partial	Formulates a problem/research question that is incomplete or identifies only some relevant variables.	Formulates an hypothesis but is not quantitative or justified by theory.	Describes the method, but omits one important detail, or is too
Not at all	Does not identify a problem/research question and does not identify any relevant variables.	Does not formulate a valid hypothesis.	Does not describe the method, or omit more than one important detail, or the description is in point form.

Data collection and processing

Levels	Aspect 1 Recording raw data	Aspect 2 Processing raw data	Aspect 3 Presenting processed data
Complete	Records appropriate quantitative and associated qualitative raw data, including units and uncertainties where relevant.	Processes the quantitative raw data correctly.	Presents processed data appropriately and, where relevant, includes errors and uncertainties.
Partial	Records appropriate quantitative and associated qualitative raw data, but with some mistakes or omissions.	Processes quantitative raw data, but with some mistakes and/or omissions.	Presents processed data appropriately, but with some mistakes and/or omissions.
Not at all	Does not record any appropriate quantitative raw data or raw data is incomprehensible.	No processing of quantitative raw data is carried out or major mistakes are made in processing.	Presents processed data inappropriately or incomprehensibly.

Conclusion and evaluation

Levels	Aspect 1 Concluding	Aspect 2 Evaluating procedure(s)	Aspect 3 Improving the investigation
Complete	States a conclusion, with justification, based on a reasonable interpretation of the data.	Evaluates weaknesses and limitations.	Suggests realistic improvements in respect of identified weaknesses and limitations.
Partial	States a conclusion based on a reasonable interpretation of the data.	Identifies some weaknesses and limitations, but the evaluation is weak or missing.	Suggests only superficial improvements.
Not at all	States no conclusion or the conclusion is based on an unreasonable interpretation of the data.	Identifies irrelevant weaknesses and limitations.	Suggests unrealistic improvements.

English

Levels	Aspect 1 Concluding
Complete	The report is written in proper English, and the student uses a vocabulary appropriate to the subject.
Partial	The report is written in reasonably good English, but contains a few major mistakes or the student uses inappropriate vocabulary for the subject
Not at all	The report is not written in good English, containing numerous mistakes or inappropriate vocabulary for the subject.