

Features of a GOOD PROCEDURE:

Aspect 3: Methodology Controlling variables

1. First give a **list of all the equipment used** in the experiment. Include a **labelled diagram** (or a very clear, easy to see, annotated photo) to show the experimental set up where possible.
2. Procedures: In **point numbered format**, summarize step-by-step what you did (past tense) to carry out the lab. These should be in **your own words**, and should include ALL details as these are your lab directions. Include how the **independent variable was varied** or manipulated. Write in detail how changes of the dependent variable were measured or monitored. Write how the **control variables were kept constant**. The steps should be clear enough for anyone else to follow to get nearly identical data (within the uncertainties). You may also include a table of how your trials will be set up if it makes your procedure more clear. Use citations if you get ideas or help from sources other than our class.
3. Take extra care to state clearly **how you collected sufficient relevant data**. Include the need for several trials (repeated measurements) to reduce effects of random error and any specialized methods of measurements e.g. time for 10 oscillations instead of one, data range and amount in the range, etc.

Aspect 4: Safety, Ethical & environmental issues

It must be evident in the write up that the **significant safety, ethical or environmental issues** relevant to the method have been carefully considered. (This could be a separate section after the method or included in the method itself)