Writing a manuscript
You should be thinking about this when you plan your thesis research.
Clear question in the context of existing literature.

Methodology.

Data analysis.

Basically what story do I want to tell, and how best to tell it.
Why publish?
I worked hard to get the data!!

It cost a lot!!
It is new information!!
Originality:

An article should contain \textit{facts} and \textit{new ideas}, placed in a \textit{valid context}.
However, do remember you are writing for your readers… not yourself.
Introduction

- what is the larger framework: the context of your work with respect to current theories and hypotheses in the literature

- what are your questions and hypotheses?
Introduction

Don’t have an exhaustive review of the literature here, as you will end up duplicating much of it in the Discussion
Materials & Methods

Give a concise description of protocols, so the reader can
(i) properly evaluate your results and conclusions
(ii) repeat the work if they wish
Materials & Methods

- it is like a recipe
- avoid unnecessary information
- clearly explain the statistical tests used to analyse data.
Results

Give a clear and concise description of the findings obtained.
Results

- present the data once, avoid repetition (graph-table)

- try to avoid lots of statistics in the text...when possible include this information in the figure legends or in tables
Discussion

- this is the body of the paper

- explain the significance of the data obtained
Discussion

- do so within the context of existing literature

- do not hesitate to postulate new hypotheses or speculate, as long as it is reasonable
Figures and Tables
Legends/headings

Stand alone: should be easy to grasp...... even if you do not have the text in hand!!
- Chemicals found in my study

- Pesticide residues found in apples from four orchards in southern Ontario, where different programmes of pest control had been used from 2010-2014.
Verify that the works cited in the text are also in the reference list ...and vice versa

Be consistent:

Check it over (several times) before you send it off!!
AEROGARE
When the population goes *threw* (through) rapid fluctuations in density there is a great deal at *stake* (stake) and is most pronounced when the population is at its *peek* (peak).
In our study male sexes more than twice times in his life.
Where do you send it?
Clearly, the scope of the paper will determine where you submit it for publication!
Description of a new species in the Family Politicidae: *Fordus minicerebralis*
Description of a new species in the Family Politicidae: *Fordus minicerebralis* and a taxonomic revision of the Family that includes *Harperius conservatum* and *Obamus liberalis*
How does the process work?
Follow the guidelines of the journal when preparing the manuscript!
It will be reviewed by at least two external referees and an editor
-Accepted as is
-Minor revision
-Major revision
-Rejected
Minor revision

Minor editing

Add info to a section
Major revision

Methodology
Data analysis
Editing
You do not have to take all comments at face value!
"DEAR CONTRIBUTOR"

"THANK YOU FOR SUBMITTING YOUR STORY TO OUR MAGAZINE"

"TO SAVE TIME, WE ARE ENCLOSING TWO REJECTION SLIPS..."

"...ONE FOR THIS STORY AND ONE FOR THE NEXT STORY YOU SEND US!"

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Congratulations on your publication!!