**ERT Suggested Layout**

1. **Title Page**

Article heading, your name, date, a related image. Sometimes Abstract is put on title page.

1. **Abstract**

100 words – a brief summary of article: simplified purpose, basic argument and recommendation.

Not included in word count.

Written at the end.

1. **Table of contents**

Pages should be numbered. Sections listed. Not included in word count.

1. **Research Question**

100 words – gives the question, proposal

1. **Discussion**

This section is divided into subsections, each with their own labeled headings. (You don’t need to do petrol to this extent unless it is totally relevant.)

1. **Petrol**

Intro about usefulness of petrol

* 1. **Production of Petrol**

Petrol is derived from crude oil…..

* 1. **Chemical Structure of Petrol**

Petrol is a mixture of hydrocarbons, but predominantly straight chain octane.

* 1. **Stored Energy in Petrol**

The structure of petrol enables it to store vast amounts of energy due to…

* 1. **Combustion of Petrol**

Etc….

1. **Ethanol**
	1. **Production of Ethanol**
	2. **Etc….**
2. **Petrol/Ethanol Blends**
	1. **Typical blends**
	2. **Performance of Blends**
	3. **Etc…**
3. **Comparison Matrix.**

Either put this here as a summary, or put it early to direct your discussion.

|  |  |  |  |
| --- | --- | --- | --- |
| **Aspect** | **Petrol** | **Ethanol** | **comment** |
| Energy content | X kJ/litre | Y kJ/litre | Less energy per litre. This means that… |
| polarity | Non-polar | Polar | Ethanol may produce problems with …. |
| Emissions | More CO | Less CO | Improved… |
| More PM | Less PM | improved |
| Availability | Easily available | Only x litres available per year at present |  |
| Octane number | A | B | B is better. This means that… |
| Flashpoint | P | Q | Safer to transport ethanol…. |
| Etc.. |  |  |  |

1. **Conclusion/Recommendation**

Bring it all together with a statement or recommendation. 300 words.

1. **Annotated Bibliography**

Completed for 3 references.

This is about 100-200 words giving summary of article/website/book, purpose of writing, reliability of source, general usefulness of reference.

 It is not included in word count.

1. **Bibliography**

As per diary

Not included in word count.