Chapter 1

The Setup

1.1 The headers

I use the memoir class here at 12pt default, with the option to work with much higher font sizes. The chapter style, bianchi, is described in the documentation for the memoir class.

The pagestyle is empty as I don't want any page numbers. The aliaspagestyle is sort of a hack so that even chapter-opening pages don't have page numbers.

You might notice that there is a difference in the side margins between pages. This is because of the "twoside" option mentioned above. This makes LaTeX setup the pages for two-side printing by flipping the margins on even and odd pages.

```
\documentclass[a4paper,extrafontsizes,12pt,twoside,openany]{memoir}
\chapterstyle{bianchi}
\aliaspagestyle{chapter}{empty}
\pagestyle{empty}
```

1.2 Paragraph styling

The default typesetting of paragraphs in LaTeX is by indentation at the beginning of a paragraph. This has been changed to no indent and then a bigger gap between the paragraphs, by modifying the \parskip and \parindent lengths.

```
\setlength\parindent{0in}
\setlength\parskip{1ex}
```

1.3 XeTeX packages

Since XeTeX is being used, these three packages are normally included to be able to make the use of Unicode and some additional functionality easier. The options passed to xcolor to be able to use of names instead of color codes are also needed by the hyperref package used below.

```
\usepackage{xunicode}
\usepackage{xltxtra}
\usepackage[dvipsnames,usenames]{xcolor}
```

1.4 Fonts

I'm using the wonderful fontspec package with it's brilliant documentation. Also, using the hyperref package to provide all the links you see in this document.

The main font being used is Linux Libertine. I'll explain what the Mapping option is doing there **??**soon.

```
\usepackage{fontspec}
\setromanfont[Mapping=tex-text]{Linux Libertine O}
\usepackage[colorlinks=true,urlcolor=blue]{hyperref}
```

Chapter 2

Miscallaneous

2.1 stackrel - One above another

You can put one element above another by using stackrel as mentioned here:

Do this:

```
H$_2$CO$_3$ $\stackrel{heat}{\longrightarrow}$ H$_2$O + CO$_2$
```

It looks like this: $H_2CO_3 \xrightarrow{heat} H_2O + CO_2$