

## Chemistry: Types of Reactions Manual

By the end of this unit you will be an expert in the various types of reactions in chemistry. The best way to find out if you really understand something is to try to explain it to someone else in a clear and simple manner.

### **Task:**

- You will be producing a manual for this unit.
- You can call it “Chemical Reactions 101” or “Chemical Reactions for Dummies” or some other catchy title.
- Your manual needs to be colourful and inviting for the reader. **It is strongly recommended that you include mind maps, comic strips, diagrams, “Did you know?” sections.** Make it appealing to someone of your own age who has not yet taken the course.
- You must include a section on each of the five types of chemical reactions, as well as on total net ionic equations. The sections do not have to be the same length, but all parts must be included. The minimum number of pages for your manual is two and the maximum number is five. This does not include the title page.
- You will produce the manual in class using your notes. **Please note- computer availability is limited. Therefore, this manual is not expected to be typed, or to contain computer-generated images.**
- **This assignment is to be done individually.** It is plagiarism to hand in work that is very similar or identical to that of another, and plagiarizing could result in a zero.
- The manual will be on regular sized notebook paper, lined or unlined or a combination of the two. You may staple the manual in the top left corner or put it in a binder, folder or duo-tang.

**Manual Rubric:**

<b>Criteria</b>	<b>Score</b>	<b>Comments</b>
<b>Title Page</b> Manual has a catchy title page, is neat and colour is used thoughtfully throughout.	/5	
<b>Content</b> Each reaction is included in detail, as well as an overview of chemical reactions and total net ionic equations.	/20	
<b>Clarity</b> Ideas are connected with scientific terms and explanations.  Specific examples and drawings are included to help readers understand how predict the products for each type of reaction.	/20	
<b>Appearance</b> Diagrams/concept maps are included and clearly presented.  Colour and textboxes are used to help highlight and organize ideas.	/10	
The manual is made for the appropriate age group.	/5	
<b>Total:</b>	/60	