**Thank a Chemist**

Thanksgiving is approaching, and I hope you take the time to think about what really matters and has lasting importance.

**In this assignment, I want you to think about a modern day product that you are grateful for. This product should exist because a chemist had a role its discovery or creation.**

Prepare a word-processed document (12 point font, double spaced, 1.25" margins) that is 1 to 1.5 pages in length. This document should contain the following:

1. The chemical name of the product you are researching. (If it is a complicated mixture, focus on its main or active ingredient.)

2. The formula of the product (or main ingredient) and a list of components if your product is a mixture.

3. Two illustrations: one of the chemical you are researching, and one of the product you are thankful for. The illustrations should take up no more than half a page.

4. Where else this chemical is used.

5. When this chemical was discovered, and who (or what company) was responsible for its discovery.

6. At least a 5 sentence explanation of how your life would be different without this modern day product.

**This assignment is worth 30 points.**

***NOTE: Absolutely no products that deal with alcohol, illegal drugs, or sexual activity will be accepted!***

**Scoring Rubric**

Student name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chemical of choice \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Grading Criteria** | **Points Earned** | **Possible Points** |
| The title of your paper includes the chemical name and chemical formula of your product. If the product is a mixture, the components are listed. |  | **2** |
| The illustrations of the chemical and product are appropriate and together take up no more than half the page. |  | **3** |
| The paper lists and explains at least 2 other ways this chemical has been used. |  | **3** |
| The paper includes the date of discovery of your chemical. |  | **2** |
| You have named the scientist(s) or company responsible for the creation of your chemical. |  | **2** |
| The total paper is between 1 and 1.5 pages in length. |  | **3** |
| The paper explains how your life would be different without this chemical in at least 5 full sentences. |  | **5** |
| You gave a clear presentation and thoroughly explained your chemical to the class. |  | **5** |
| You have explained why you are thankful for your chemical in the oral presentation. |  | **5** |
| **Total Score:** |  | **/ 30** |