**Additives to Food Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*In today’s society the word “chemical” generally has a negative connotation, meaning that most people think of chemicals as inherently bad. While in many cases this is true, be aware that chemicals added to foods can also have many positive effects. Your job is to be a critical consumer! Research your chemical and determine for yourself the implications of the chemical’s impact on society as a food additive.*

1. List the package food item you have chosen. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Choose an actual chemical that is found in your product \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is the chemical formula of the compound you have chosen? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Is this an ionic or covalent compound? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Explain why the chemical is used in your food products. What problem(s) does it solve?

Example: iodine was added to salt to prevent potential thyroid issues.

(research required). Cite your sources!

1. What current or potential issues have been created because of the use of this chemical?
2. What are the implications (both positive and negative) of using this chemical? Make sure to **name** and comment on at least two of the following factors (research needed):
   * **Moral** - *Personal view of what is right or wrong*
   * **Ethical** - *Society’s rules or code of conduct*
   * **Social** - *Related to people, groups*
   * **Economic** - *Related to profitability (the ability to make money)*
   * **Political** - *Relate to government*
   * **Cultural** - *Ideas, customs and behaviours of a society*
   * **Environmental** - *Human impact on the natural world*