WEEK 1 Discussion:

Option 1:

We will begin this topic by practicing the use of the scientific method. The steps of the scientific method are: observation, hypothesis, experiment, results, and theory. Using your understanding of the scientific method from your readings and lessons, you will be applying this knowledge to a real world situation. Take a real world scenario in the news, or another outside source and apply the scientific method, being sure to detail the controls on your experiment. Describe a result that would confirm your hypothesis.

A real-world scenario that uses the scientific method would be the health effects of foods and the nutritional benefits. Iodine regulates overall metabolism and plays a critical role in fetal and child neurodevelopment, organ and tissue function In this case, how is iodine a nutrient for our diet?

1. Observation: the observation of this experiment would be is including iodine can help cure goiter (an enlargement of the thyroid gland)
2. Hypothesis: food with iodized salt can help treat patients with goiter.
3. Experiment: iodine being administered to people with goiter

Control group: was the more than 75% of school children's having goiters

The experiment:

The iodine was transported to a village where more than 75 percent of school children have visible goiters. This treatment was given to the children for six months.

Results: the iodine did help treat the children with goiter in this village.

Conclusion: due to this experiment and many others, we have realized that iodine is beneficial to our diet. With results, the government had placed a law where salt is iodized, and in fact shows up now. That more than 70% of American households carry iodized salt and other countries are following.