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| | | | | | | Apple was translucent and so was the potato. |
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This is a chart to show you the different color changes that each food experienced with each reagent. Some of them had no color change, while others had a very big color change. Some of them had visual observations such as carrot and apple with little black dots, but others did not, due to no color change.

Discussions/Conclusions: I think that the data did make sense because the measurements were accurate and the results also seemed to make sense. It was also good that we tested each solution on each food because if we had a certain solution to only test with that food because that solution is only designated for that food, that would be stupid since we really wouldn't be solving anything and learning something we didn't know, just the same thing almost as repetition. After we added each solution to the food, we saw the color change and that was very cool to observe because I wouldn't have ever guessed that those healthy products would have simple sugars, proteins, fats, or even starches.

When testing for proteins in the four food products, I thought that there would be proteins in each and every one of them, but the truth was that there wasn't. As much as I thought about that, I realized that maybe it was actually the solution that made those pieces of food have no proteins. Usually, everything highly nutritious for you and healthy would have proteins and somehow this did not. Maybe some chemicals differed that result and maybe the answer is laying right in front me, which is that there are no proteins, but it still seems very unlikely. In our class discussion, most of the groups got positive for everything, but we used the overall way so that everything was negative. Even if it was slightly positive, then it would be considered positive. Science is such a mystery and life is not interesting without a little mystery now and then.

Suggestions for further improvements or changes in research experiment or research ideas for investigations: I would suggest cleaning test tubes more better because the old contents of it might get mixed up with the new ones causing a completely different result. You might not even realize that it was mixed up with the old contents because you think your result is what is supposed to happen. I would also suggest to make measurements a little more accurate because when you're talking about placing 50 drops of a solution in a test tube, you might not get it good as in the drops like be off by 10 and once again, you can get a different result. Scientists have done so much and are 50% of the time accurate, but that doesn't mean that there is no room for improvements.