Laboratory Report Template

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Title

Project 1.2.4 Nutrient Investigation

Problem

To determine what nutrients are available in other food sources.

Hypothesis

The crackers will have protein. The yogurt has protein and vitamin c. The cookies have sugar. The lettuce will have crabs. The potato will have sugar. Apple has protein. Ketchup has sugar. Orange juice has sugar. And bread has sugar.

Materials.

- Crackers
- Yogurt
- Cookies
- Lettuce
- Potato
- Apple
- Ketchup
- Orange juice
- Bread
- Biuret reagent
- Benedict's solution
- Iodine solution
- 2,6 Dichloroindophenol
- Paper plates
- Distilled water
- Test tube tongs
- Plastic pipettes

Procedures

1. Label plate with the following chemicals, Biuret reagent, Benedict's solution, Iodine solution, 2, 6 Dichloroindophenol.
2. Put one cubed sized of crackers, yogurt, thin mint cookies, lettuce, potato, apple, ketchup, orange juice, and bread on each of the chemical plates
3. Put 3 drops of each chemical on the food samples
4. Record the nutrients that each food had
5. Clean up the experiment

Data Collection

Ritz Crackers	Strawberry Yogurt	Thin Mint Cookies	Lettuce	Potato	Apple	Ketchup	Orange Juice	Bread
Carbs, Sugar	Carbs, Sugar	Carbs, Sugar	Nothing	Carbs	Carbs, Sugar	Vitamin C	Sugar, Vitamin C	Carbs, Sugar

Analysis of Results

6 out of 9 had carbs.6 out of 9 had sugar.2 out of 9 had vitamin c. 1 out of 9 had nothing that I tested.

Conclusions

The foods that I thought would be good for you turned out to not be so good for you. I thought that the crackers would have sugar and they turned out to have sugar. I also thought that ketchup would have sugar but it had vitamin c. Some possible errors could be that I added more than 3 drops of chemicals on some foods. Some questions where if we uses a chocolate chip cookie would that nutrients show better than on a thin mint cookie.