

Laboratory Report Template

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Title

Project 1.2.4 – Nutrient Investigation

Problem

Can using indicators to determine nutrients in a food substance an accurate test

Hypothesis

Food indicators will be accurate in showing the nutrients in the food substances

Materials

- Various food materials
- Biuret Reagent
- Benedict's Solution
- Iodine Solution
- 2,6 Dichlorindophenol
- Brown paper bag
- Test tubes
- Test tube rack
- Distilled water
- Test tube tongs
- Plastic pipettes
- Marking pencil
- Computer

Procedures

1. Labeled the plates for my sample testing
2. Place each food on different plate
3. Tested each of the foods with indicators
4. Then collected and observed data
5. Record data in a table chart
6. Clean up work space and finish lab questions

Data Collection

Indicators

Samples	Benedict	Biuret	2,6 D	Iodine
Vitamin C	YES	NO	YES	NO
Cookies	YES	NO	NO	YES
Apples	YES	NO	NO	YES
Potato	NO	NO	NO	YES

Ketchup	NO	NO	NO	YES
Crackers	NO	NO	NO	YES
Lettuce	NO	NO	NO	YES
Yogurt	NO	NO	NO	YES
Bread	YES	YES	NO	YES

Analysis of Results

The foods all tested for the indicators so it means that they are many nutrients in food samples.

Conclusions

The experiment was a success, found that food can have many nutrients in them or didn't have a lot or just one. Also my hypothesis was correct it proved that indicators can help find nutrients in food samples.