

## Macromolecules Lab

**Question:**

**Background Information:**

**Hypothesis:**

### Predictions

Food	Carbohydrates	Lipids
Water		
Oil		
Milk		
Oatmeal		
Apple sauce		

**Independent Variable:**

**Dependent Variable:**

**Controlled Variables:**

## **Procedure:**

### **LIPIDS (1 test)**

#### *TEST 1: Testing for Lipids*

1. Tear off a piece of paper towel.
2. Draw 5 small squares, approximately 3 cm each, and label each with the name of 1 of the foods (water, oil, milk, oatmeal, apple juice,).
3. Put 1 drop of each of the foods in the corresponding boxes on the paper towel.
4. Put the paper towel aside.
5. When the paper towel is dry, record your observations in the data table below. Look for a grease stain.

### **CARBOHYDRATES (1 test)**

#### *TEST 2: Testing for Starches*

1. Fill 5 wells in your well plate: water, oil, milk, oatmeal, apple juice.
2. Add 3 drops of **Iodine Solution** to each well.
3. Check for any color change and record it in the data table under carbohydrates..
4. Put well plate in the plastic bag.

## **Materials:**

## Data

Food	Carbohydrates	Lipids
Water		
Oil		
Milk		
Oatmeal		
Apple sauce		

**Data Analysis and Conclusion** (discuss trends and data and accept or reject hypothesis)