Page #2

Macromolecule Prelab

Purpose: Test 8 different foods for specific macromolecules.

|  |  |  |  |
| --- | --- | --- | --- |
| Chemical/Reagent | Organic Molecule | Original Color | Positive Color Change |
| Benedicts | Monosaccharides | Blue | Any other color |
| Lugol’s Iodine | Polysaccharides | Yellow Brown | Blue Black |
| Buirets | Protein | Blue | Purple |
| Sudan III | Lipids | Dull Red | Bright Red |

Prediction:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Foods: | Monosaccharides | Polysaccharides | Protein | Lipids |
| Distilled Water |  |  |  |  |
| Apple Juice |  |  |  |  |
| Corn Oil |  |  |  |  |
| Lettuce |  |  |  |  |
| Gelatin |  |  |  |  |
| Beans |  |  |  |  |
| Corn Starch |  |  |  |  |
| Corn Syrup |  |  |  |  |