

Lipid, Starch, Water Soluble Lab

Name: _____ Period: _____

Carefully label each sample on your paper plate with the numbers 1 through 6. Write a hypothesis on the back of this paper regarding the presence of lipids and starch, and the water solubility of each sample.

Test each sample for water solubility, the presence of lipids, and the presence of starch. Record the results of each test in the chart below.

Lipids

For the lipid test, take a portion of the sample and rub it on a paper towel. If a grease stain that feels oily transfers to the paper towel there is evidence of lipids. Record your results.

Water Solubility

Place a small portion of your sample in the cup of water. Leave this in the water while you conduct the other experiments. Record your results.

Starch

Place one drop of iodine on a sample of the food on the paper plate. Iodine turns purple in the presence of starch. If the food turns purple there is starch in it. Record your results.

Samples	1	2	3	4	5	6
Lipid Test						
Water Solubility Test						
Starch Test						

Summary of Findings: