

## Digestion Lab Worksheet

For all Tables, be sure to write in the same of each substance tested next to the appropriate number.

**Table 1. Benedict's Reagent Test for Sugar.**

Substance	Initial color	Color after heating	Reducing sugars present?
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

**Table 2. Lugol's Stain Test for Starch.**

Substance	Initial color	Color after mixing	Starch present?
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

**Table 3. Sudan IV Test for Fat.**

Substance	Initial color	Red droplets form?	Lipids present?
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

**Table 4. Biuret's Reagent Test for Protein.**

Substance	Initial color	End color	Proteins present?
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

### Testing the Nutrient Composition of an Unknown

- A. HYPOTHESIS**---Indicate what you think will be the nutrient composition of the unknown you are testing in the space below.

The unknown I am testing is: \_\_\_\_\_

I predict this unknown will contain: \_\_\_\_\_

- B. RATIONALE**---Indicate why you think your unknown will have the nutrient composition you have predicted.

**Table 5**---Fill in the table below with the results from your tests on the nutrient composition of your unknown.

TEST	RESULT	MOLECULE PRESENT

- C. DISCUSSION**---Answer the following questions: (a) What was the nutrient composition of your unknown? (b) Does this confirm your original hypothesis? (c) Why or why not?