

Name \_\_\_\_\_ Block \_\_\_\_\_ Date \_\_\_\_\_

**Question: What's Inside a McDonalds Meal?**

<b>Indicator</b>	<b>Organic Molecule</b>
Benedicts	
Iodine	
Biuret	
Sudan III or Brown Paper	
Diphenylamine	

1. Observations and Inferences

a. An **inference** is \_\_\_\_\_

In this procedure, we'll **infer** \_\_\_\_\_

b. An **observation** is \_\_\_\_\_

In this procedure, we'll **observe** \_\_\_\_\_

2. Qualitative and Quantitative Data

a. **Quantitative** data are \_\_\_\_\_

We collected **quantitative** data in \_\_\_\_\_

b. **Qualitative** data are \_\_\_\_\_

Today's data and observations will be \_\_\_\_\_

Data Table

Sample	Indicator Results (Color Change)				
	Benedicts	Iodine	Biuret	Sudan III or Brown Paper	Diphenylamine
Water					
McDonalds					

Conclusion

**Claim** – Answer the question, What macromolecules can we *infer* are present in a McDonalds meal?

**Evidence** – What did we *observe* to help us make our claim? Make sure to include evidence for why not all of the macromolecules are present.

**Reasoning** – Explain why our observations support the claim. You will need to describe the purpose of the indicators.