Name:		Date:	Period:					
Identifying Macromolec	ules		Week #					
important molecule is wa hydroxide ions, which ha	ater. Water can delp to explain pH	chemically combine to form condissolve solutes in solutions and conditions. Living cells are buffers and interact with carbon compounds, or	an form hydrogen ions and eract with these molecules to					
1. (RST.9-10.4) Using	your prefix/suffix	worksheet and page 1, define th	e term, macromolecule.					
carbohydrates like starch do they make up the cell surprised to learn what n	n, and simple car <mark>t</mark> s in your body bu nacromo <mark>lec</mark> ules a	our types of macromolecules – capohydrates like sugar), protein, liput you also consume them everyd ctually make up the food you eat f macromolecule that make up di	oids, and nucleic acids. Not only ay. However, you may be In this activity we will use					
2. (RST.9-10.2) What i	s the purpose of	this activity?						
Macromolecule	Indicator	Negative Result	Positive Result					
Complex Carbohydrates	Iodine	Amber or light reddish-brown	Dark purple or dark blue, almost black					
Simple Carbohydrates	Benedict's	Blue	Red, yellow, or green					
Protein	Biuret	Blue	Purple, pink, or lavender					
Lipids	Paper bag	No translucent or grease spot	Translucent or grease spot					
	od item. Us <mark>e th</mark> e explain the r <mark>esul</mark> (food item)	ts.	elts of the indicator tests (positive					
To Dood	AETT.							
Indicator Result	Iodine	Benedict's Bi	uret Paper bag					
- Results: is mainly composed of								
		rom the						
Station 2:	(food item)							
- Prediction: I predict is mainly composed of (macromolecule)								
Indicator Result	Iodine	Benedict's Bi	uret Paper bag					
- Results: is mainly composed of because of the positive result(s) from the indicator(s).								
Station 3:	(food item)	is mainly composed of						
Treatenon. I proc	(food ite	is mainly composed of em)	(macromolecule)					

vame:			Date	:	Period:
	Indicator	Iodine	Benedict's	Biuret	Paper bag
	Result				
-		is ma			
		ne positive result(s) from	om the		indicator(s).
ıtion	14:	(food item)			
-	Prediction: I	predict(food item	is mainly co	mposed of	nacromolecule)
ſ	Indicator		Benedict's	Biuret	Paper bag
	Result	Todine	Deficated 5	Bittiet	T uper oug
Į			V	A	
-	Results:is mainly composed of				
		ne positive result(s) from			indicator(s).
ation	n 5:	predict (food item)			
-	Prediction: I	predict	is mainly co	mposed of	
ſ				(m	nacromolecule)
		Iodine	Benedict's	Biuret	Paper bag
	Result		9		
-	Results:	is ma	inly composed of	BROKES	
		ne positive result(s) from			
tati an		(food item)			
iatioi -	Prediction: I	predict (100d Item)	is mainly co	mposed of	
	Prediction: I predict is mainly con		(macromolecule)		
	Indicator	Iodine	Benedict's	Biuret	Paper bag
	Result	I SUL	00		
_	Results:	is ma	inly composed of		V • /
	because of the	ne positive result(s) from	om the		indicator(s).
Wl		ts surprised you the m			
Ba	sed on the ind	licators, give another	example of a food mai	inly made of each typ	be of macromolecule
	a. Complex	carbohydrates:	. 4 t	1	
	b. Simple c	arbohydrates:			
	c. Protein:				
Fo		a Big Mac, name the		e and what indicator	shows a positive res
	a. Bun:				_
	b. Patty:				_
	c. Lettuce:				_
	d. Tomato:				_
	e. Cheese:				