John's friend expressed doubts about the health benefits of food sample 8.

Task.

Conduct experiments to analyse the nutrient content and potential health benefits of food sample B. Evaluate its nutritional composition, based on gour findings, provide recommendations to John regarding suitability of including sample B in his diet.

EXPERIMENT 10 DETERMINE FOOD MUTRIENTS IN FOOD JAMPLE B.

Aim: To determine the food nutrients present in food sample B.

Hypothesis: food sample B contains all food nutrients.

Requirements:

Food sample B 11d.
Test tubes 11d

Test tube racks 11d

Hadrochloric acid (bilyte)

Benedict's solution 11d

Todine volution 110

adiom hydroxide adiotion

Heat source 11d

Test-tube holders 11d

Copper (11) sulphate solution

ACPIP solution (Sichlorophenol) Indophenol)

1	Procedure	Observation	seduction
1	To 1 cm3 of tost volution,	The turbid solution turned	Reducing again
1	add 1 cm of Benedict's	to a blue solution and	abuent
1	solution and boil.	remained blue on bailing	
	To 1 cm3 of food	The turbid solution	starch present
	solution, add 2 drops	turned to a black Jolution	
	of iodine rolution	, , , , , , , , , , , , , , , , , , ,	
4	To 1 cm³ of tood	The turbid solution turned	The state of the s
	sample B solution, add	to a blue solution, green	present
	to 1 cm of hydrochloric	noitolar wolley, noitolar	
	acid and boil cool the	and finally orange precipitate.	

	solution under water			
56411	Add 1'cm3 of rodium			
	hydroxide and then			
	2 cm³ of Benedictú	7		
18-50	volution and boil.	0.11.		
	To long or sood The turbid solution	Proteins, absent		
7585 m	invition in a text tube, turned to blue dointing	19		
-	add 1 cm² or godium and pthe blue colour			
	hydroxide then follows persisted 11			
9	Pr 3 globs of cobber			
a stayon	(1) sulphate and			
	chake the hoose of Alberta & Harring to Death	A STATE OF THE STA		
	To 1cm3 of MSCPIP The turbi blue solution	Vitamin C		
	solution in a test turned to a pale blue	absent:		
	tube, add food solution solution 1/2			
	drop wide.	48 + 1429		
	To long or road The turbid volution	Lipids		
	solution in a test tube, formed turbid emulsification add ad 1 cm³ of ethanol omitted			
	add 2 d 1 cm3 of ethanol omitted	(039)		
	then followed by 2 drops (206)			
		STATE OF THE STATE		
	of water 14e	3805-18		
7	Recommendations.	/		
	since tood sample B does not contain reducing sugars, proteins			
	and vitamin c, the hypotheria is wrong but the food nutrients			
7 4%	present are non reducing sugary and starch.			
/	starch is broken down to form glucase which is hydrolyted in			
9 M	the body during respiration to provide energy	in the body:		
	John is likely to rotter from knownior per	cause he lack		
. 462.4	sont is his meals set they are body building	is his meals set they are body building and repair worn		
	proteins in his meals yet they are body building and repair worn			
Medi	out body tissues.			
A 6 3	I recommend John to include protein in his meal to prevent			
	symptoms like pot belly, wasted muscles since he lacks body building			
	amino acids and glycerols.			
	A Other eventials notifients to be included are vitamin cand			
No	reducing sugars.			