1	NAME	·	PREF	_ SECTION SC	DATE						
		EXPERIM	ENT 41: TESTS	FOR NUTRIENTS							
	Equipment: Materials:	Foods, bread, egg, B	burner, 2-3 test tuber lenedict's solution, Lug ated NH ₄ OH, hexane,	gol's iodine solution, gluc	ose(aq), concentrated						
diffe	In this expe		rn simple tests used	by chemists to detect	the presence of						
A.			e a piece of bread on completely burned.	the ceramic center of	a wire gauze, and direct						
	1. Descr	ribe the residue									
В.	few drops of		acid. Rinse the egg	f a hard boiled egg in a with water. Add a few	a test tube and add a drops of concentrated						
	2. Descr	ribe what you see									
C.	Place a drop of hexane on a piece of filter paper and allow it to evaporate.										
	3. Is a s	pot left on the pape	r where the hexane	evaporated?							
D.	and add her containing l from the ho	kane (keep away from not water. Caution:	m flames) to the dep There should be no e teacher's table. Sh	th of an inch. Place the flame under the bea	with crushed peanuts te test tube in a beaker aker. Draw hot water test tube onto a piece						
	4. Descr	the the appearance	of the paper.								
	5. Comp	pare the result with	that obtained in "C"								
E.			's solution and for s h to Glucose". Obse	tarch with iodine as dervations:	lirected in Experiment						
F.	Test some	samples of food for	glucose, starch, pro	otein, mineral matter,	and fat.						
	6. Enter	the results in the t	able on the next pag	ge.							

TABLE OF RESULTS

FOOD TESTED	PROTEIN	GLUCOSE	STARCH	MINERAL MATTER	FAT

SUMMARY QUESTIONS

7 .	List fo	ods	that	are	rich	in	(a)	protein;	(b)	starch;	(c)	mineral	matter;	(d)	fat	t.
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8. Explain what is meant by a "balanced diet".

9. Make a list of what you had for breakfast or lunch. Was it a balanced meal? Explain.

10. Look up and draw the structures of Glucose, Maltose, Stearin.