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EXPERIMENT

Detecting the Presence of Starch in Food

Starch is part of the	group of nutrients. It is
because many sugars are	together. In digestion, it is one of the
first nutrients to be broken down. The enzyme	, breaks the bonds
of starch to produce simpler	

Purpose

To investigate the presence of starch in various food products.

Materials

Plate

8 different food products (use grain products, fruits, and vegetables) Iodine solution

Method

- 1. Place a sample of each food on the plate. Test similar amounts of each food.
- 2. Place a few drops of iodine solution on each food.
- **3.** Make observations immediately.
- **4.** Wait a few more minutes and note any other changes.

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DETECTING THE PRESENCE OF STARCH IN FOOD, continued

Observations

Complete the chart below using the foods your group has compiled. When drops of iodine solution are applied to a food containing starch, the solution will turn dark blue, purple, or blackish.

Food Product	Description <i>Before</i> Testing	Description <i>After</i> Testing	Conclusion Are simple sugars present?
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

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DETECTING THE PRESENCE OF STARCH IN FOOD, continued

Questions

Ien	ing sugar tests positive for sta	rch. Why?		
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Ici	ing sugar tests positive for sta	rch. Why?		
	ing sugar tests positive for sta	rch. Why?		
	tarchy foods are often discourant ind information about one of the			
_				
W	Thy should people be wary of t	these diets?		