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Student Exploration: Identifying Nutrients

Directions: Follow the instructions to go through the simulation. Respond to the questions and prompts in the orange boxes.

Vocabulary: carbohydrate, disaccharide, lipid, monosaccharide, polysaccharide, protein, starch

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

1. What are the major types of nutrients you can get from food?

Carbohydrates (CHO), lipids (fats), proteins, vitamins, minerals, and water are the six main nutrients.

2. How are these nutrients used by your body?

Carbohydrates, proteins, and fats are the three primary nutrients that the body uses to function. These nutrients break down into smaller components during digestion. Energy is obtained from carbohydrates (glucose). After being broken down into fatty acids, fats are used as a source of energy.

Gizmo Warm-up

Have you ever wondered what is in your food? Scientists use a variety of tests to determine the nutritional content of food. You will learn four of those tests with the *Identifying Nutrients* Gizmo.

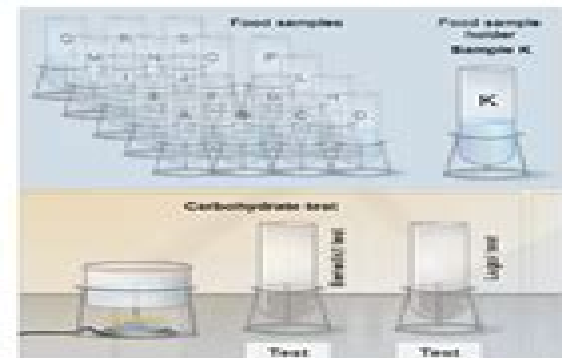
1. Below the **Food samples** label, drag tube **A** into the **Food sample holder**. Below the **Benedict test**, click the **Test** button. What is done in the Benedict test?

It was heated in a water bath for 1 minutes after solutions were added.

2. The Benedict solution is a test for **monosaccharides**: simple sugars like glucose or fructose (fruit sugar); and some **disaccharides** such as lactose and maltose. In contact with these sugars, the Benedict solution turns from blue to green to orange. For simplicity, we will consider the Benedict test a test for monosaccharides only.

Does **Sample A** contain these sugars?

yes



Identifying Nutrients Gizmo Answer Key

Jin-Ying Zhang

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Identifying Nutrients Gizmo Answer Key:

Identifying Nutrients Gizmo Answer Key Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Identifying Nutrients Gizmo Answer Key**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

<https://staging.conocer.cide.edu/book/publication/HomePages/Environmental%20Systems.pdf>

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Identifying Nutrients Gizmo Answer Key Introduction

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Identifying Nutrients Gizmo Answer Key :

Skill Practice 1 Classify the following as chemical changes (C) or physical changes (P). ... Given your answers to question 1 and the fact that this reaction takes place at 25oC ... Skill Practice 23 2004 by Jason Neil. All rights reserved. Skill Practice 23. Name: Date: Hour: _____. Draw Lewis structures for each of the following. 1. NO₃. 1-. 2. CH₄. Skill Practice 26 Skill Practice 26. Name: Date: Hour: _____. 1. What does it mean to say that a bond is polar? One of the atoms ... Skill Practice 16 - Atomic Size Skill Practice 16. Atomic Size. Practice. Name: KEY. Date: Hour: 1. What force of attraction does the second energy level of a phosphorus atom "feel" from the ... Skill Practice 13 Obtain permission for classroom use at www.ChemistryInquiry.com. Skill Practice 13. Name: Date: Hour: _____. 1 ... Sample Guided Inquiry Chemistry Lessons Please evaluate all of the materials for the unit. You will find ChemQuests, Skill Practice assignments, review sheets, video explanations, and labs. To ... Skill Practice 9 Skill Practice 9. Practice Problems. Name: Average Atomic Mass. Date: Period: _____. A certain element exists as ... Skill Practice 14 (ANSWER KEY) Skill Practice 14 (ANSWER KEY). Lewis Practice. Name: Date: Hour: _____. How many valence electrons does each of ... Skill Practice 30-33 answers.doc View Homework Help - Skill

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