



Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Student Exploration: Dehydration Synthesis

**Vocabulary:** carbohydrate, chemical formula, dehydration synthesis, disaccharide, glucose, hydrolysis, monosaccharide, polysaccharide, valence

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

- If you exercise on a hot day, you need to worry about dehydration. In this context, what do you think *dehydration* means? An excessive loss of water from the body
- Astronauts and backpackers often bring dehydrated food. What do you think dehydrated food is? Food that has had the majority of water removed from the food

### Gizmo Warm-up

What do rice, potatoes, and sugar have in common? They are all foods rich in **carbohydrates**. Carbohydrates are an important energy source for your body. The basic building block of most carbohydrate compounds is the molecule **glucose**. Using the *Dehydration Synthesis* Gizmo, you will learn about the structure of a glucose molecule and how glucose molecules can be joined together to make larger carbohydrate molecules.



To begin, select the **CREATE GLUCOSE** tab.

- Look at the **chemical formula** for glucose. How many carbon (C), hydrogen (H), and oxygen (O) atoms are found in a molecule of glucose? C: 6 H: 12 O: 6
- Turn on **Show chemical structure**. Each black sphere represents a carbon, hydrogen, or oxygen atom. The lines connecting the spheres represent chemical bonds.
  - How many black spheres are in the diagram? 24
  - How does this relate to the number of carbon, hydrogen, and oxygen atoms in the chemical formula for glucose? 24 is the total number of atoms in glucose



# Explore Learning Dehydration Synthesis Answer Key

**S Marginson**



**Explore Learning Dehydration Synthesis Answer Key:**

This book delves into Explore Learning Dehydration Synthesis Answer Key. Explore Learning Dehydration Synthesis Answer Key is a crucial topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Explore Learning Dehydration Synthesis Answer Key, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
    - Chapter 1: Introduction to Explore Learning Dehydration Synthesis Answer Key
    - Chapter 2: Essential Elements of Explore Learning Dehydration Synthesis Answer Key
    - Chapter 3: Explore Learning Dehydration Synthesis Answer Key in Everyday Life
    - Chapter 4: Explore Learning Dehydration Synthesis Answer Key in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, the author will provide an overview of Explore Learning Dehydration Synthesis Answer Key. The first chapter will explore what Explore Learning Dehydration Synthesis Answer Key is, why Explore Learning Dehydration Synthesis Answer Key is vital, and how to effectively learn about Explore Learning Dehydration Synthesis Answer Key.
  3. In chapter 2, this book will delve into the foundational concepts of Explore Learning Dehydration Synthesis Answer Key. This chapter will elucidate the essential principles that must be understood to grasp Explore Learning Dehydration Synthesis Answer Key in its entirety.
  4. In chapter 3, the author will examine the practical applications of Explore Learning Dehydration Synthesis Answer Key in daily life. This chapter will showcase real-world examples of how Explore Learning Dehydration Synthesis Answer Key can be effectively utilized in everyday scenarios.
  5. In chapter 4, this book will scrutinize the relevance of Explore Learning Dehydration Synthesis Answer Key in specific contexts. This chapter will explore how Explore Learning Dehydration Synthesis Answer Key is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, the author will draw a conclusion about Explore Learning Dehydration Synthesis Answer Key. The final chapter will summarize the key points that have been discussed throughout the book.
- This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Explore Learning Dehydration Synthesis Answer Key.

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### **Explore Learning Dehydration Synthesis Answer Key Introduction**

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holding glass menagerie. The Glass Menagerie Amanda Wingfield is a faded, tragic remnant of Southern gentility who lives in poverty in a dingy St. Louis apartment with her son, Tom, and her daughter, ... The Glass Menagerie When Amanda convinces Tom to bring home from his workplace a "gentleman caller" for Laura, the illusions that Tom, Amanda, and Laura have each created in order ... The Glass Menagerie Text Scene 1: The Wingfield apartment is in the rear of the building, one of those vast hive-like conglomerations of cellular living-units that flower as. Tennessee Williams - The Glass Menagerie (Scene 3) LEGEND ON SCREEN: 'AFTER THE FIASCO' [TOM speaks from the fire-escape landing.] TOM: After the fiasco at Rubicam's Business College, the idea of getting a ... "The Glass Menagerie," Scene One and Scene Two, by ... 41 Scene 1. 352 The Wingfield apartment is in the rear of the building, one of those vast hive-like conglomerations of cellular living-units that flower as ... Tennessee Williams - The Glass Menagerie (Scene 7) A moment after the curtain rises, the lights in both rooms flicker and go out.] JIM: Hey, there, Mr Light Bulb ! [AMANDA laughs nervously. LEGEND: 'SUSPENSION ... The Glass Menagerie: Acting Edition: Tennessee Williams A new introduction by the editor of The Tennessee Williams Annual Review, Robert Bray, reappraises the play more than half a century after it won the New York ...