

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Exploring

Name: _____ Date: _____


Student Exploration: Mystery Powder Analysis

Vocabulary: Buffer solution, buffer solution, litmus paper, vinegar

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)
A white powder is found spilled on the kitchen floor of a crime scene. A similar powder is found on the shoes of a suspect in the crime.

1. What are some powders that you might find on the kitchen floor? _____
2. How could you tell if the powder was salt, sugar, flour, or baking soda? _____

Gizmo Warm-up
The Mystery Powder Analysis Gizmo™ allows you to use a variety of tests to identify unknown substances. To start, drag the **Baking soda** test into the "Place in hand" area.



1. Under **Appearance**, click **Test** to bring inside a fine powder (no visible grains), or a coarse (visible grains)? _____
2. **Litmus paper** is an indicator of acid and bases. Under **Litmus test**, click **Test**. Which of the following results occurred? (Circle the answer.)
A. Both strips turned red. C. One red, one blue strip (neutral)
B. Both strips turned blue. D. One red, one blue strip (acid)
3. Some substances react with **vinegar** to produce carbon dioxide, visible as bubbles. Under **Vinegar test**, click **Test**. Does the vinegar bubble? _____
4. The blue **Biuret solution** turns bright purple in the presence of proteins. **Biuret solution** turns dark purple in the presence of starch. Try each of these tests.
Does baking soda contain protein? _____ Does baking soda contain starch? _____

© 2008

[Download PDF version of :](#)
[Student Exploration Mystery Powder Analysis Answer](#)