



DIGITAL OPTIONS  
AVAILABLE

# STUDY GUIDE

REVIEW STRATEGIES • CRITICAL THINKING

# Includes **PRINT** or **DIGITAL** Options

**STUDY GUIDE**

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

**SECTION 1**

Directions: Read each statement and determine if it's true or false and then write T or F on the line provided. If the statement is false, cross it out and rewrite it to be true.

1. When a solid is dissolved in a liquid, stirring it slows down the dissolving process.

Initials: \_\_\_\_\_

2. Acids taste sour.

Initials: \_\_\_\_\_

3. Bases taste bitter.

Initials: \_\_\_\_\_

**SECTION 2**

Directions: Define each type of solution and then answer the questions below.

Types of Solutions

Saturated

Unsaturated

Supersaturated

Initials: \_\_\_\_\_

**SECTION 3**

Directions: Fill in each graphic organizer with characteristics of acids and bases and then list common examples of each.

ACIDS

Characteristics	Common Acids

**SECTION 4**

Directions: Using this line, draw and label a pH scale using the terms acidic, basic, and neutral. Then define the terms acidic, basic, and neutral.

Initials: \_\_\_\_\_

**SECTION 5**

Directions: Scan the QR code to watch the video about solutions and then fill in the blanks with the correct information below.

Initials: \_\_\_\_\_

QR Code

An example of a mixture is \_\_\_\_\_ in sugar water, the solute is the \_\_\_\_\_ and the solvent is the \_\_\_\_\_. Solutions can be \_\_\_\_\_ again and put back into the substances that made them. The ability of something to be dissolved is called its \_\_\_\_\_. Sand has \_\_\_\_\_ solubility in water because it does not dissolve easily. When something cannot dissolve any longer, it has reached its \_\_\_\_\_. The substance from the tea can be taken apart again. If the iced tea is heated, the water in the solution changes from a \_\_\_\_\_ to a \_\_\_\_\_. It evaporates in the air leaving the sugar behind.

Did you know in ancient Rome salt was so valuable that soldiers were paid in salt?



NGS Magnified Study Guides are directly aligned to the notes and assessments offered by NGS Magnified and include a variety of review strategies that meet the needs of your learners for independent study and indirect instruction.

Each study guide provides a combination of strategies which may include:

graphic organizers

critical thinking

vocabulary building

theme connection

compare and contrast

matching

problem solving

fill-in-the-blank

concept mapping

short answer

interpreting data

real world application

QR videos with accompanying questions



Thank you for sharing NGS Magnified with your students!

#### Terms of Use

Copyright © NGS Magnified, LLC (formerly Nitty Gritty Science, LLC.) All rights reserved by author Dr. Erica Colón.

This product is to be used by the original downloader only.

Copying for more than one teacher, classroom, department, school, or school system is prohibited. This product may not be distributed or displayed digitally for public view. Failure to comply is a copyright infringement and a violation of the Digital Millennium Copyright Act (DMCA). Clipart and elements found in this PDF are copyrighted and cannot be extracted and used outside of this file without permission or license.

Intended for classroom and personal use ONLY.

#### Contact Information:

Email: [admin@nittygrittyscience.com](mailto:admin@nittygrittyscience.com)

Website: [www.NGSmagnified.com](http://www.NGSmagnified.com)

TPT: <https://www.teacherspayteachers.com/Store/Nitty-Gritty-Science>

