

Solutions and Solubility Unit

- ✓ 4 weeks of teaching resources
- ✓ 6 Lessons in Office and Google
- ✓ Lab Stations, Digital Scavenger Hunts, Readings
- ✓ Each lesson contains an Auto-Graded Exit Ticket



- ✓ Digital and Print Versions
- ✓ Fully Editable

SCROLL
to take a look inside!



TEACHER BENEFITS

HOW THIS UNIT WILL HELP YOU

- **NO PREP** - Just Download and Teach
- 4-Week Unit with 6 Engaging Lessons, Interactive Activities, & Assessments
- Built-in differentiation for various learning styles

THIS UNIT INCLUDES

- ✓ Fully Editable Lessons and Activities
- ✓ Labs and Assessments

The collage displays six digital presentation thumbnails, each with a title, a list of topics, and a TWF logo. Each thumbnail also includes a small note at the bottom: "This digital presentation includes both Google and Office resources and is Google Classroom Ready".

- Stoichiometry in Solutions**
 - Ionic compounds in water
 - Net Ionic Equations
 - Total and Net Ionic Equations
 - Rules For Net Ionic Equations
 - Stoichiometry
 - Practice
- Acids and Bases – Senior Chemistry**
 - Arrhenius vs Bronsted-Lowry Theory
 - Properties of Acids
 - Properties of Bases
 - Neutralization Reactions
 - Conjugate Acid-Base Pairs
 - Dissociation of Water
 - Common Salts
 - Strong vs. Weak Acids and Bases
- Preparing Solutions and Dilutions**
 - Preparing Solutions
 - Solutions Mini Lab
 - Dilutions
 - Practice Questions with Walkthrough Answers
 - Dilutions Mini Lab
- Volumetric Analysis - Titration**
 - Volumetric Analysis – Titration
 - Uses
 - How Titration is Done
 - Equipment Used
 - Titration Calculation Problems
- Solutions and Solubility**
 - Solutions
 - Solvents and Solutes
 - Dilute vs. Concentrated
 - Saturated & Unsaturated
 - Supersaturated
 - Solubility
 - Polar Water
 - Ionization
 - Electrolytes
 - Hydration
 - Temperature and Solubility
- Calculating Concentration and Molarity**
 - Solutions, Solvents, and Solutes
 - Concentration
 - Calculating % Solution by Mass
 - Mass/Volume % Concentration
 - Calculating Molarity (mol/L → M)
 - Mole Equations
 - Calculating Molarity
 - Calculating Ion Concentrations
 - Preparation of Solutions

“

★★★★★ Extremely satisfied - My students and I enjoyed this one as we learned more about acid base chemistry!

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”

SOLUTIONS AND SOLUBILITY UNIT SOLVES...

- ★ Planning fatigue
- ★ Student engagement slumps
- ★ Differentiation challenges
- ★ The large scope and sequence of chemistry

Solutions and Solubility Unit

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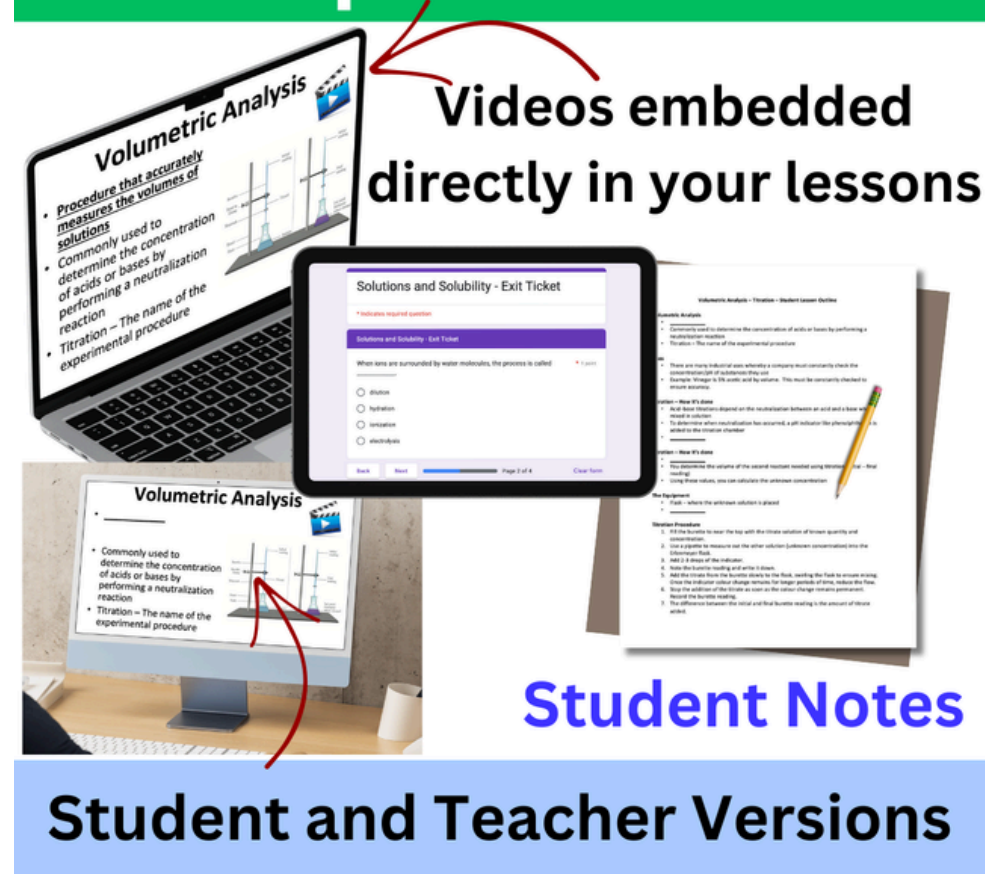
Teach With Fergy

- ✓ Digital and Print Versions
- ✓ Fully Editable

- ✓ Solutions and Solubility
- ✓ Calculating Concentration and Molarity
- ✓ Preparing Solutions and Dilutions
- ✓ Stoichiometry in Solutions
- ✓ Acids and Bases
- ✓ Volumetric Analysis
- ✓ Titrations

Your Unit

6 Complete Lessons



Fun & Interactive Activities

- Lab Stations
- Scavenger Hunts
- Readings and Bell Ringers
- Worksheets



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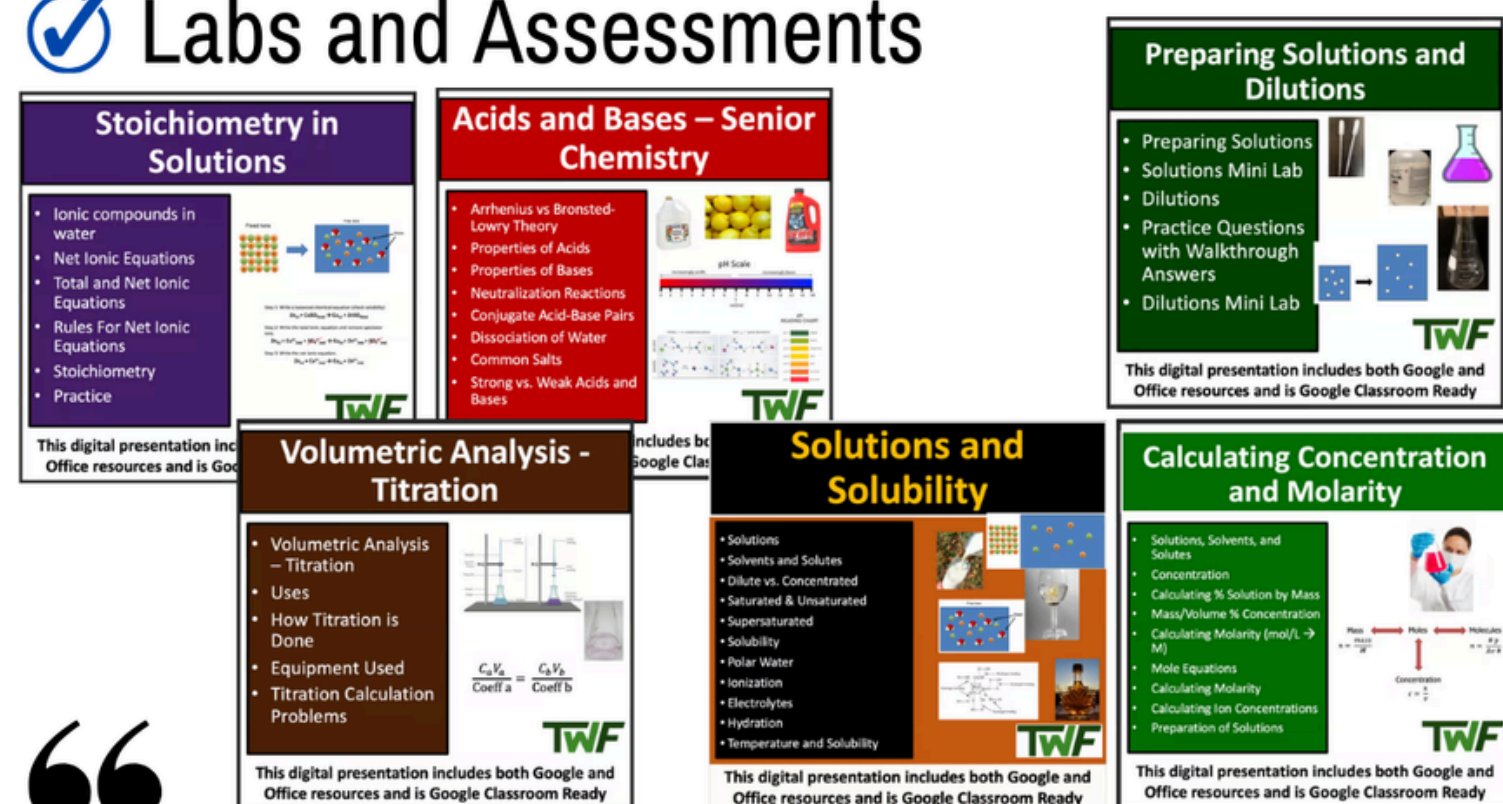
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Lessons

THIS UNIT INCLUDES

- ✓ Fully Editable Lessons and Activities
- ✓ Labs and Assessments



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Teacher and Student Versions of Each Lesson



Fully Editable and includes Office, Google, and PDF Versions



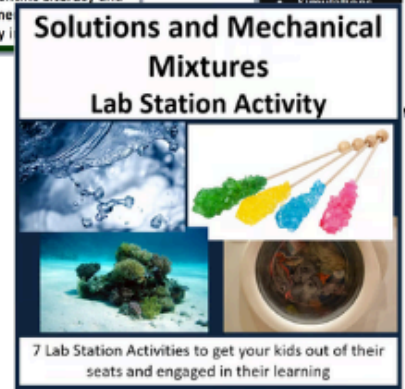
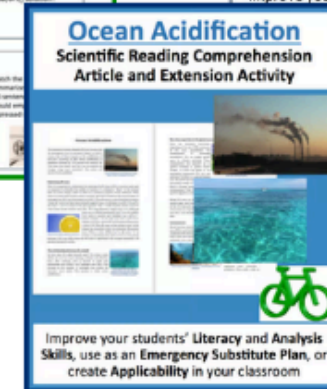
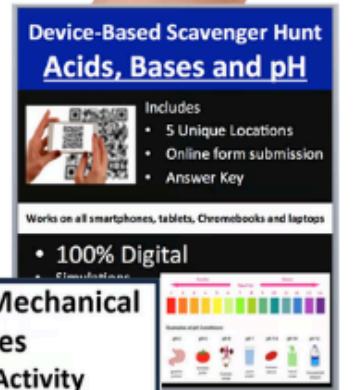
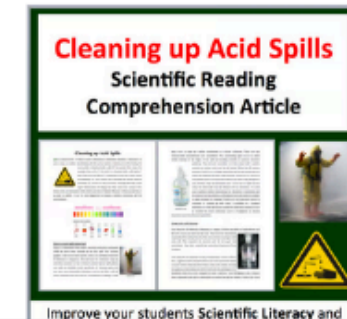
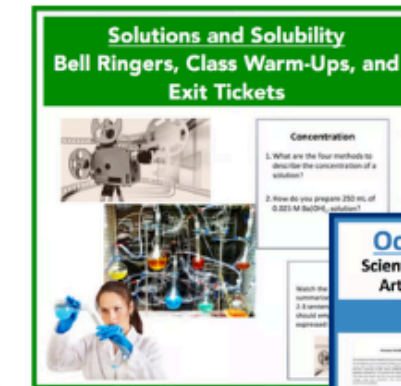
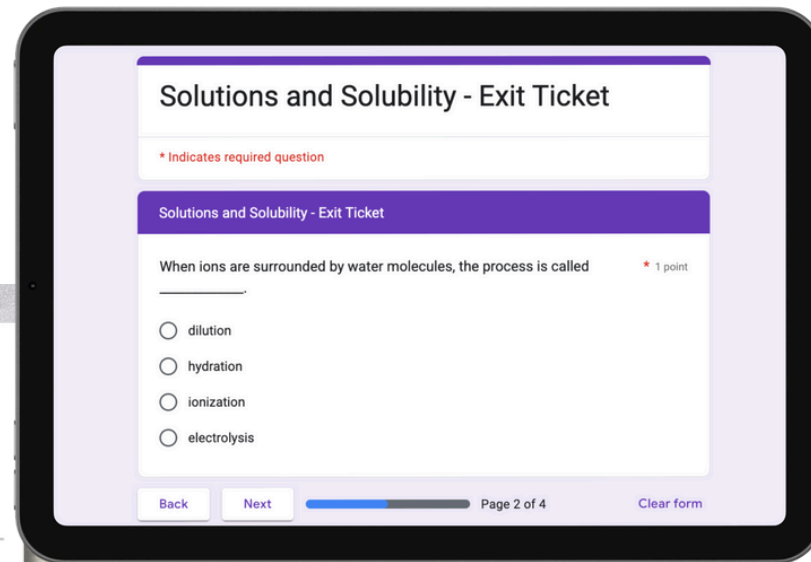
Each Includes an Auto-Graded Exit Ticket via Google Forms

A screenshot of a Google Form titled "Solutions and Solubility - Exit Ticket". The form is displayed on a tablet screen. It includes a question: "When ions are surrounded by water molecules, the process is called" with a 1-point value. There are four radio button options: "dilution", "hydration", "ionization", and "electrolysis". The "hydration" option is selected. At the bottom, there are "Back" and "Next" buttons, a progress bar, and the text "Page 2 of 4" and "Clear form".

Interactive Activities

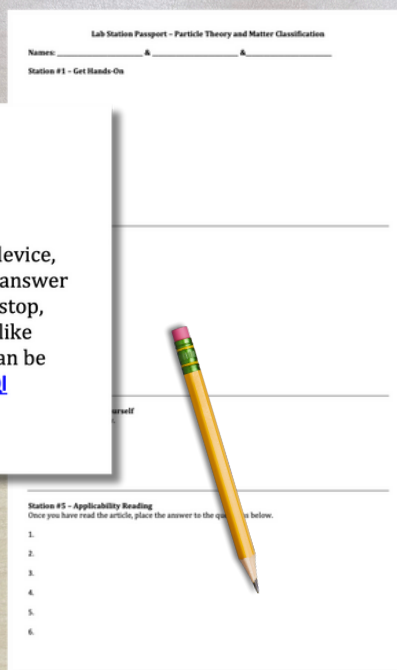
Fun & Interactive Activities

- Lab Stations
- Scavenger Hunts
- Readings and Bell Ringers
- Worksheets



Station 7

Learn from the expert – Using a classroom computer or your own device, watch the following video clip and answer the associated questions. You may stop, rewind and restart as often as you like during the time frame. The video can be found here - <https://goo.gl/GaW6QI>



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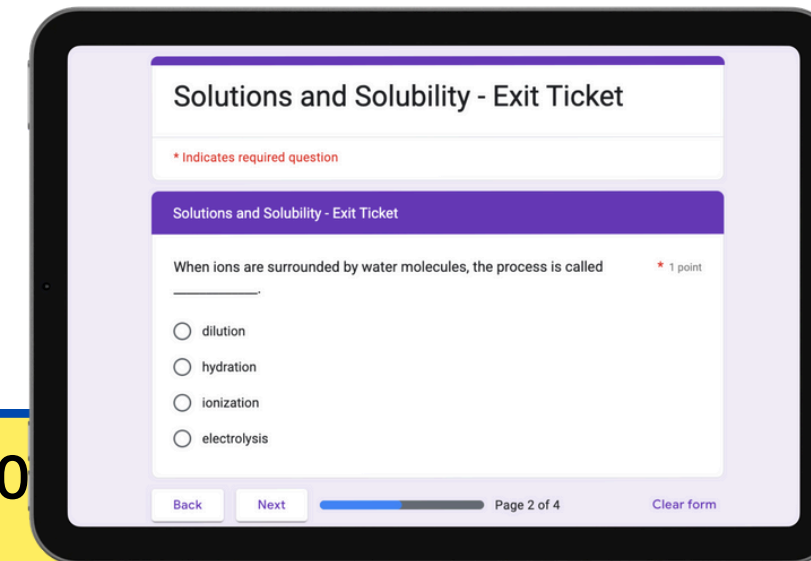
Solutions and Solubility Unit

Office, Google,
and PDF Versions

Interactive and
engaging

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Fully Editable



Upload everything
directly to your
Google Classroom