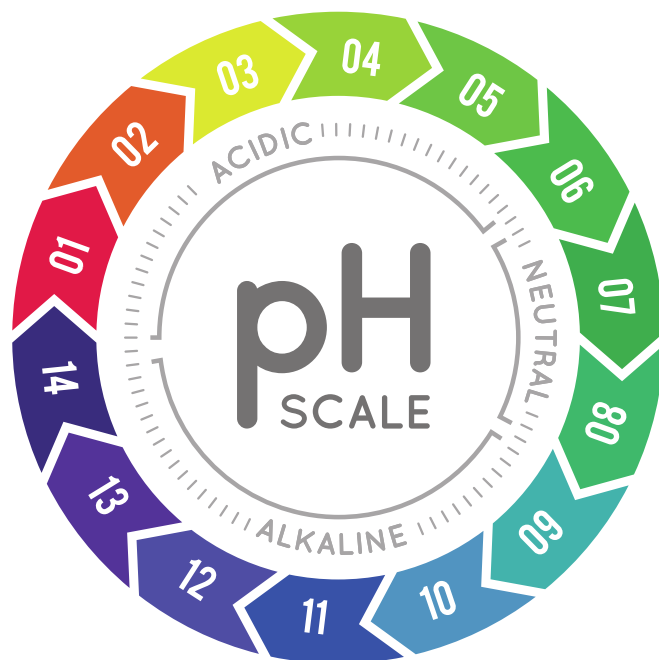


High School Acid-Base Unit: Lessons, Reading & Interactive Assessments

- ✓ **6 Ready-to-Use Resources:** Lessons, scavenger hunt, comprehension article, redox balancing, and exit tickets.
- ✓ **Grades 10–12 Focused:**
- ✓ **Customizable, Editable, Interactive, & Digital-Friendly**



Teach With
Fergy

Bundle Includes

Acids, Bases, and Neutralization Reactions

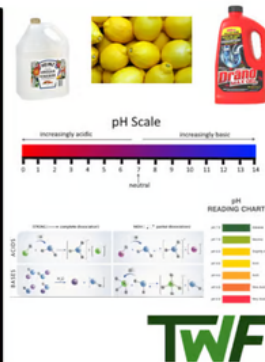
- pH
- Acid Properties
- HCl
- Acid Precipitation
- Ocean Acidification
- Base Properties
- Neutralization Reactions
- Cleaning Up Chemical Spills
- Acid Reflux and GERD
- Indicators



This digital presentation includes both Google and Office resources and is Google Classroom Ready

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



This digital presentation includes both Google and Office resources and is Google Classroom Ready

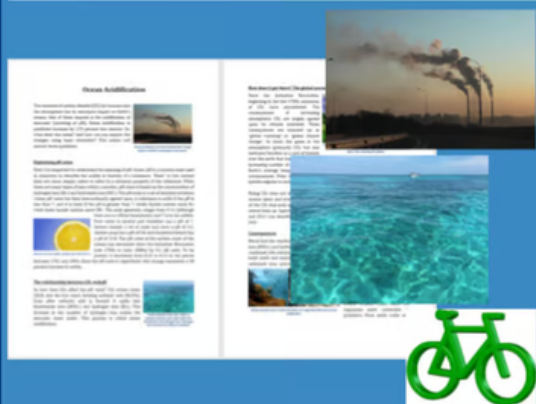
Balancing Half Reactions in Acidic Solutions Lesson

- Oxidation-Reduction Reactions
- Half Reactions
- Balancing Redox Reactions
- Check Your Understanding
- Corrosion
- Corrosion and Oxidation
- Corrosion Damage
- Corrosion Dangers
- Corrosion Protection by Oxide Coating



Ocean Acidification

Scientific Reading Comprehension Article and Extension Activity



Improve your students' **Literacy** and **Analysis Skills**, use as an **Emergency Substitute Plan**, or create **Applicability** in your classroom

Device-Based Scavenger Hunt

Acids, Bases and pH



Includes

- 5 Unique Locations
- Online form submission
- Answer Key

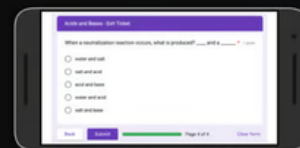
Works on all smartphones, tablets, Chromebooks and laptops

- 100% Digital
- Simulations
- Quizzes
- Videos
- Games
- Word Scramble
- and more



Acids, Bases, & Neutralization Reactions

Exit Ticket



- ✓ One-click to place the form in your Google Drive
- ✓ Includes 4 topic-specific questions
- ✓ Automatically graded and data presented via graphs
- ✓ Can be accessed from any device or projected to class
- ✓ Can be used as exit tickets or start of class review

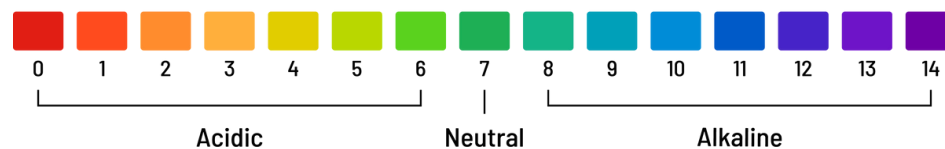


Teaching Timeline and Resources Outlined and Explained

High School Acid-Base Unit – Teaching Timeline

Day (flexible pacing)	Resource & link	Role in the unit	Evidence
Days 1–2	Acid, Bases & Neutralization Reactions – Acids and Bases Lesson	This two-day high-school lesson remains the core instruction. It covers pH, acid/base properties, neutralization reactions, acid precipitation, ocean acidification, spill clean-ups, acid reflux/GERD and indicators, and includes both student and teacher presentations, worksheets and videos.	The description notes that it includes student/teacher versions, worksheets with answers and embedded videos and covers topics from pH and acid/base properties to neutralization and real-world applications.
Day 3	Acids, Bases and pH – Device-Based Scavenger Hunt Activity	After students grasp the basics, reinforce their learning with this interactive digital scavenger hunt. Students explore the pH scale, acid/base properties and neutralization reactions on their devices.	The resource description identifies it as a device-based activity focused on acids, bases and pH.
Day 4	Ocean Acidification – Science Reading Article (Grade 8 and Up)	Integrate literacy and global context by having students read about ocean acidification. The article is suitable for high-school students and includes comprehension and application questions covering pH values, the CO ₂ –pH relationship, global warming, consequences of ocean acidification and ways to reduce carbon emissions.	The description notes that the reading is appropriate for high-school students and contains questions that promote comprehension and application, and it covers topics such as pH values, CO ₂ –pH relationships, global warming and carbon-reduction strategies.
Day 5	Acids and Bases – Senior Level Chemistry – Google Slides & PowerPoint Lesson	Provide advanced instruction by comparing Arrhenius and Bronsted–Lowry definitions, explaining conjugate acid–base pairs and distinguishing between strong and weak acids and bases. The resource includes teacher and student presentations and an auto-graded exit ticket.	The product details state that it covers these advanced acid-base theories and includes auto-graded Google Form assessments.
Day 6	Balancing Reactions in Acidic Solutions – PowerPoint Lesson & Student Notes	Teach students how to balance oxidation–reduction reactions in acidic solutions. This 26-slide lesson covers half-reactions, corrosion and step-by-step balancing strategies.	The description explains that the lesson covers oxidation-reduction reactions, half-reactions, balancing redox reactions and corrosion, and includes teacher and student versions with embedded videos.
Day 7 (or combined with Day 6)	Acids, Bases & Neutralization Reactions Exit Ticket and Review Activity	Conclude the unit with this auto-graded exit ticket. It reviews pH, acid/base properties, neutralization reactions, chemical spill clean-ups and acid reflux/GERD, and provides immediate feedback. You can deliver it on its own day or combine it with the balancing-reactions lesson.	The resource is described as an exit ticket or review, with four auto-graded questions covering pH, properties of acids/bases, neutralization reactions, spill clean-ups and acid reflux/GERD.

pH scale



Who is this Bundle for?

- **Teachers who teach High School Science**
- **Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to meet the standard**
- **Teachers who don't have time to develop their own resources or organize what to teach and when**