

Chemical Reactions and Balancing Unit

- ✓ 2-3 weeks of teaching resources
- ✓ 3 Lessons in Office and Google
- ✓ Lab Stations and Digital Scavenger Hunts
- ✓ Digital INB Activities
- ✓ 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
- 2-Week Unit with 3 Engaging Lessons, Interactive Activities, & Assessments
- Built-in differentiation for various learning styles

THIS UNIT INCLUDES

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

The image shows three overlapping presentation thumbnails. The top-left thumbnail is titled 'Chemical Reactions and Balancing' and lists topics like Chemical Reactions, Energy in Reactions, Chemical Change Clues, Writing Chemical Formulas, Law of Conservation of Mass, Balancing Chemical Reactions, and Practice. The top-right thumbnail is titled 'Single and Double Displacement Reactions' and lists topics like Single Displacement Reactions, The Activity Series, Halogen Activity Series, Double Displacement Reactions, Solubility Table, Neutralization Reactions, and Total and Net Ionic Equations. The bottom-center thumbnail is titled 'Chemical Reactions Synthesis, Decomposition, & Combustion' and lists topics like The 5 Main Reaction Types, Steps to Writing Reactions, Synthesis Reactions, Decomposition Reaction, Combustion Reactions, and Check Your Understanding for each type of reaction. Each thumbnail includes the TWF logo and a note: 'This digital presentation includes both Google and Office resources and is Google Classroom Ready'.

“

★★★★★ Extremely satisfied - Great resources, students enjoyed it and will be using it again.

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”

MY CHEMICAL REACTIONS AND BALANCING UNIT SOLVES...

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

Chemical Reactions Unit

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



Complete Curriculum Covering Chemical Reactions and Balancing

Your Unit

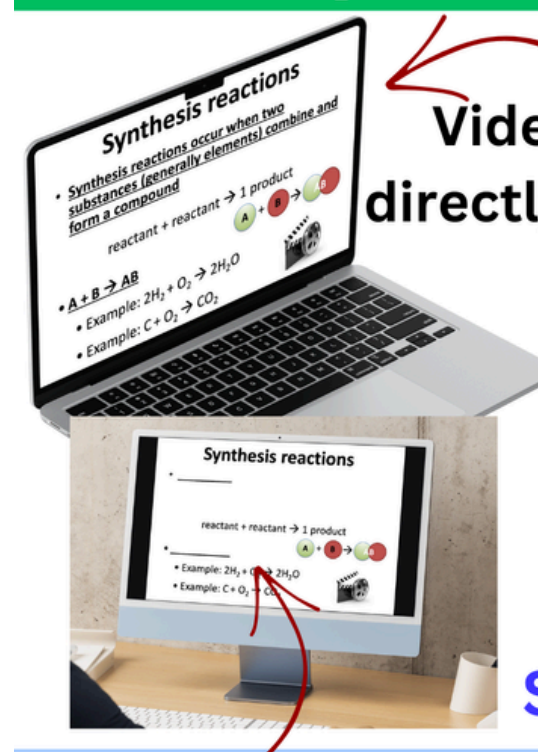
Synthesis, Decomposition, Combustion, Single and Double Displacement Reactions

Teacher and Student Versions of each Lesson

Embedded Videos in your Presentations

Many Different Activity Types

3 Complete Lessons



Videos embedded directly in your lessons

Student N

Student and Teacher Vers

Fun & Interactive Activities

- Lab Stations
- Scavenger Hunts
- Digital INB Activities
- Assessments



★★★★★ Extremely satisfied - Loved this project and the students did too ! Thanks
★★★★★ Extremely satisfied - fantastic resource, super engaging!

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

The screenshot shows a Google Form titled 'Single and Double Displacement Reactions - Exit Ticket'. It includes a legend: '* Indicates required question'. The question is: 'Which kind of chemical reaction is shown here: $AX + B \rightarrow AB + X$ '. It is worth 1 point. The options are: ☐ Synthesis reactions, ☐ Decomposition reactions, ☐ Combustion reactions, ☐ Single displacement reactions, and ☐ Double displacement reactions. At the bottom, there are 'Next' and 'Clear form' buttons, and a progress bar showing 'Page 1 of 4'.

Interactive Activities

Fun & Interactive Activities

- Lab Stations
- Scavenger Hunts
- Digital INB Activities
- Assessments



Device-Based Scavenger Hunt
Types of Chemical Reactions

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

Single and Double Displacement Reactions
Lab Station Activity

7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Chapter 8: Types of Chemical Reactions
Digital Interactive Notebook Pages

- 100% Digital and Interactive
- Perfect for your Google Classroom or Microsoft OneDrive

Report!

Video

Reaction Types

TWF

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>

Reaction Types

Directions: Drag and drop the definitions and examples into the correct column below. Use text boxes to complete the reactions.

Synthesis	2 OR MORE SUBSTANCES COMBINE TO FORM ONE SUBSTANCE	$4\text{Fe} + 3\text{O}_2 \rightarrow 2\text{Fe}_2\text{O}_3$
Decomposition	1 SUBSTANCE REACTS TO FORM 2 OR MORE SUBSTANCES	$2\text{Ni}_2\text{O}_3 \rightarrow 4\text{Ni} + 3\text{O}_2$
Single Replacement	1 ELEMENT REPLACES 1 OTHER ELEMENT IN A COMPOUND	$\text{Cu} + 2\text{AgNO}_3 \rightarrow 2\text{Ag} + \text{Cu}(\text{NO}_3)_2$
Double Replacement	IONS OF 2 COMPOUNDS EXCHANGE PLACES	$\text{Na}_2\text{S} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{S}$
Combustion	A SUBSTANCE COMBINES WITH OXYGEN	$\text{C}_{10}\text{H}_8 + 12\text{O}_2 \rightarrow 10\text{CO}_2 + 4\text{H}_2\text{O}$

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Chemical Reactions Unit

Office, Google,
and PDF Versions Interactive and
engaging

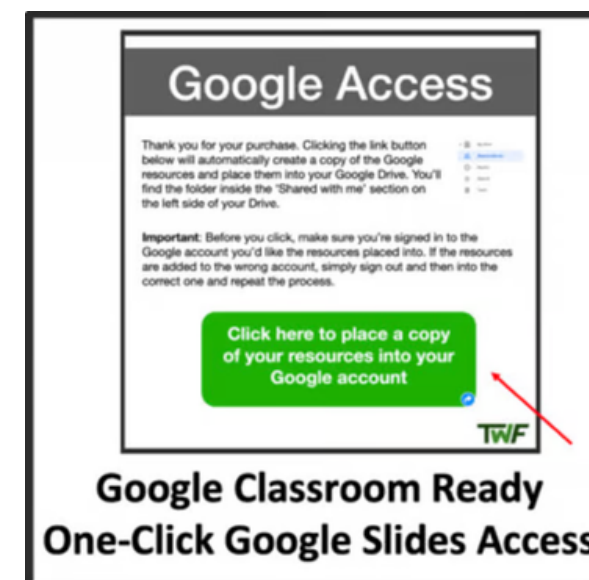
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Fully Editable



Upload everything
directly to your
Google Classroom