

THE PERIODIC TABLE LESSON

Covers Key Periodic Table Terms & Topics

Google & Office Versions

No-Prep and Fully Editable

Over 245 Units Sold!

“★★★★★ Extremely satisfied - This is the perfect resource to teach all about the periodic table and the individual element properties.”

SCROLL
to take a look inside!



HOW THIS LESSON HELPS YOU

- Saves Prep Time: Everything is pre-made, ready to go, and Fully Editable.
- Provides Built-In Assessments:
- The activities and auto-graded exit ticket lets teachers quickly check for understanding
- Includes a Lesson, Worksheet, Element Lab, Research Activity, & Word Search

Periodic Table WebQuest and Element Assignment

Name: _____ Due date: _____

able WebQuest

n found within the WebQuest by visiting the pages listed.

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and sign up with your teacher.

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n as a PowerPoint. You will be presenting your 3-minute oral presentation.

Element	Symbol	Atomic Mass	Atomic Number	Number of Protons	Number of Electrons	Number of Neutrons
Sodium						
Phosphorus						
Potassium						
Calcium						
Chlorine						
Argon						
Boron						
Carbon						
Magnesium						
Helium						
Neon						
Aluminum						
Silicon						
Lithium						
Beryllium						
Sulphur						
Oxygen						
Hydrogen						
Nitrogen						
Fluorine						

The Periodic Table Word Search

E O H U I U H T O F X E P J A
Q D X A S R N G T O K M X P Z
Q F I H L E U H L V V N G G U
A F J N M O U Y T G E T M D L
F U O E A J G S T W E L R J T
I S L U D H Z E S Z L D M B O
T E P L Y K T K N Y E V V H D
L T Z J W H L N Z D D F N J J
Y V U S L W W T A L N S P L G
A S I I A G G D E L E N U Y N
J B J O G H A V M F P D U
G I E W C I M O T A B S
E O O Q D S H L E O C H
J Y J V A L E N C Y B W
Z E K P W N N W K B N G

ELEMENT
HALOGEN
METAL

FAMILY
LANTHANIDE
PERIOD

Word Scramble

Alkaline Earth Metals

- They are very reactive but not as reactive as Alkali Metals
- **They have two valence electrons**
- Alkaline earth metals include magnesium and calcium, among others

The Periodic Table of the Elements

★ A Complete, Fully-Editable Lesson & Student Notes

★ Teacher and Student Versions of your Lesson with Embedded Videos

★ Worksheet and Research Assignment

★ Fun Periodic Table Naming Activity

★ Periodic Table Coloring Pages and Element Gas Test Lab

What You Get

The collage features several educational resources:

- Periodic Table WebQuest and Element Assignment:** A worksheet with fields for Name and Due date, and instructions for a webquest activity.
- Using the Periodic Table:** A worksheet with a table for recording element data.
- The Periodic Table Word Search:** A word search puzzle with a grid of letters.
- Why is the Periodic Table Important? (Video 1):** A video thumbnail showing a list of bullet points and a small periodic table.
- Why is the Periodic Table Important? (Video 2):** A video thumbnail showing a list of bullet points and a small periodic table.

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Sodium						
Phosphorus						
Potassium						
Calcium						
Chlorine						
Argon						
Boron						
Carbon						
Magnesium						
Helium						
Neon						

Why is the Periodic Table Important?

- It's a useful tool for chemists
- The periodic table organizes all the known information about the elements into a single place

Why is the Periodic Table Important?

- It's a useful tool for chemists
- _____

What Will Your Students Learn?

Mendeléeev

First accepted version of the periodic table was created in 1869 by Dmitri Ivanovitch Mendeléeev. He grouped elements according to atomic mass, and as he did, he noticed that the families had similar chemical properties.



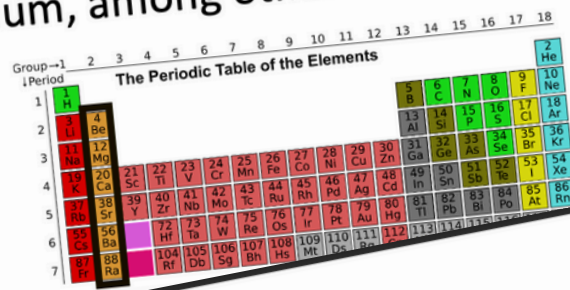
Properties of Non-Metals

- Non-metals are poor conductors of heat and electricity
- Non-metals are not ductile
- Non-metals are brittle
- Non-metals break easily
- Non-metals are dull
- Non-metals are gases



Alkaline Earth Metals

- They are very reactive but not as reactive as Alkali Metals
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The Periodic Table of the Elements

Atomic Mass

- Atomic Mass refers to the "weight" of the atom

- It is found by adding the number of protons and the number of neutrons



History – Mendeleev



Element squares



Atomic Number



Atomic Mass



Valence Electrons



Metals/Non-Metals and

Metalloids



Groups and Families

Periods

Your Lesson

Student Notes in Word

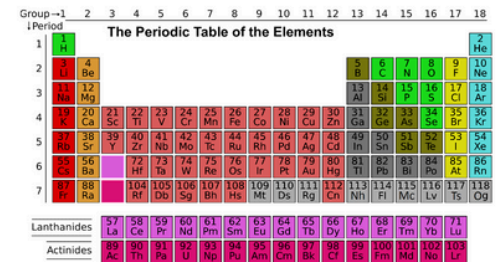
Google Access

Videos embedded in your slides

Teacher and Student Versions of the Lesson

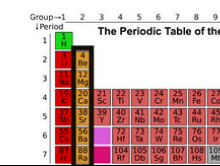
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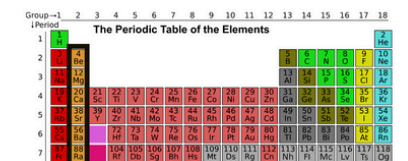
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Periodic Table – Student Lesson Outline

Why is the Periodic Table Important?

- It's a useful tool for chemists

Before the Periodic Table, Chemistry ...

- was a mess!
- The elements weren't organized in any kind of logical way
- It was difficult to find information
- Chemistry didn't make sense

Mendeléeev

- The first accepted version of the periodic table was created in 1869 by Dmitri Ivanovitch Mendeléeev
- He grouped elements according to their atomic mass, and as he did, he found that the families had similar chemical properties
- His understanding was so advanced that _____

The Current Periodic Table

- Mendeleev was very close
- _____
- Today, we place them in rows by increasing atomic number
- The horizontal rows are called periods and are labeled from 1 to 7
- The vertical columns are called groups and are labeled from 1 to 18

The Elements

- _____
- The remainder have been created in the lab
- The universe as we know it is created out of these elements and nothing else however, there may be others we aren't yet aware of

The Periodic Table

- The periodic table organizes all the known information about the elements into a single place
- A great deal of information can be found in the periodic table
- For example, you can find the atomic number, symbol, and name of the element
- _____

Atomic Number

- _____
- The atomic number is the number of protons in the nucleus of an atom

Atomic Number

- Refers to how many protons are in the nucleus of an atom
- No two elements have the same atomic number

Atomic Mass

- Atomic Mass refers to the mass of an atom
- _____

Google Access

Thank you for your purchase. Clicking the link button below will automatically create a copy of the Google resources and place them into your Google Drive. You'll find the folder inside the "Shared with me" section on the left side of your Drive.

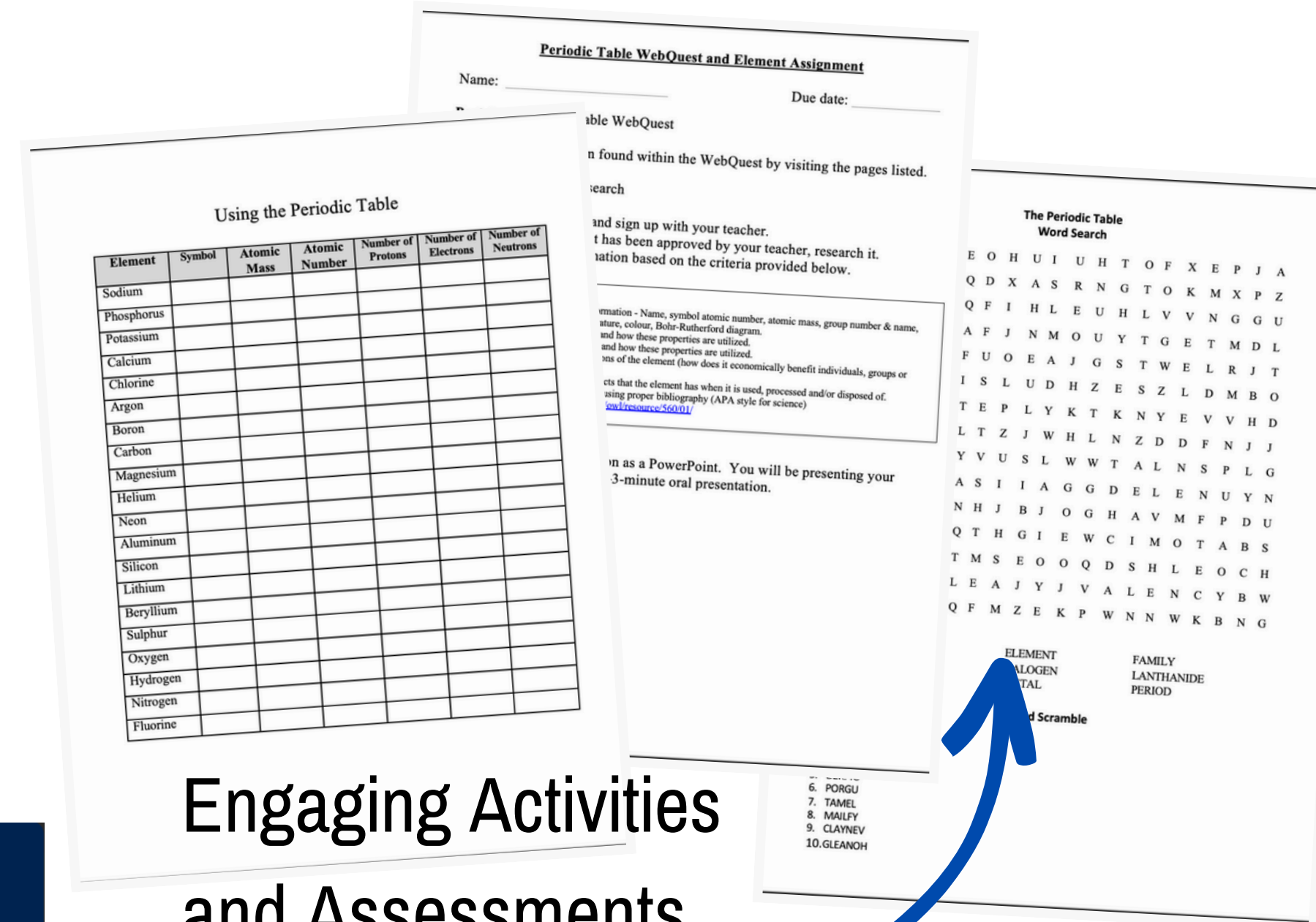
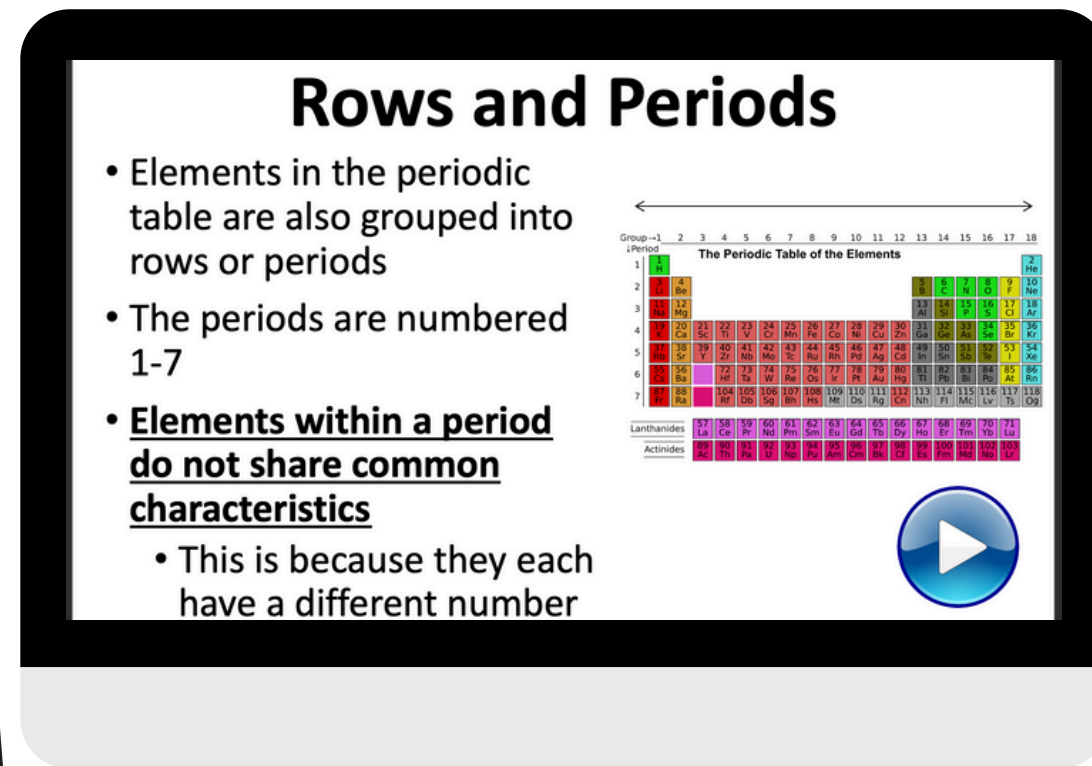
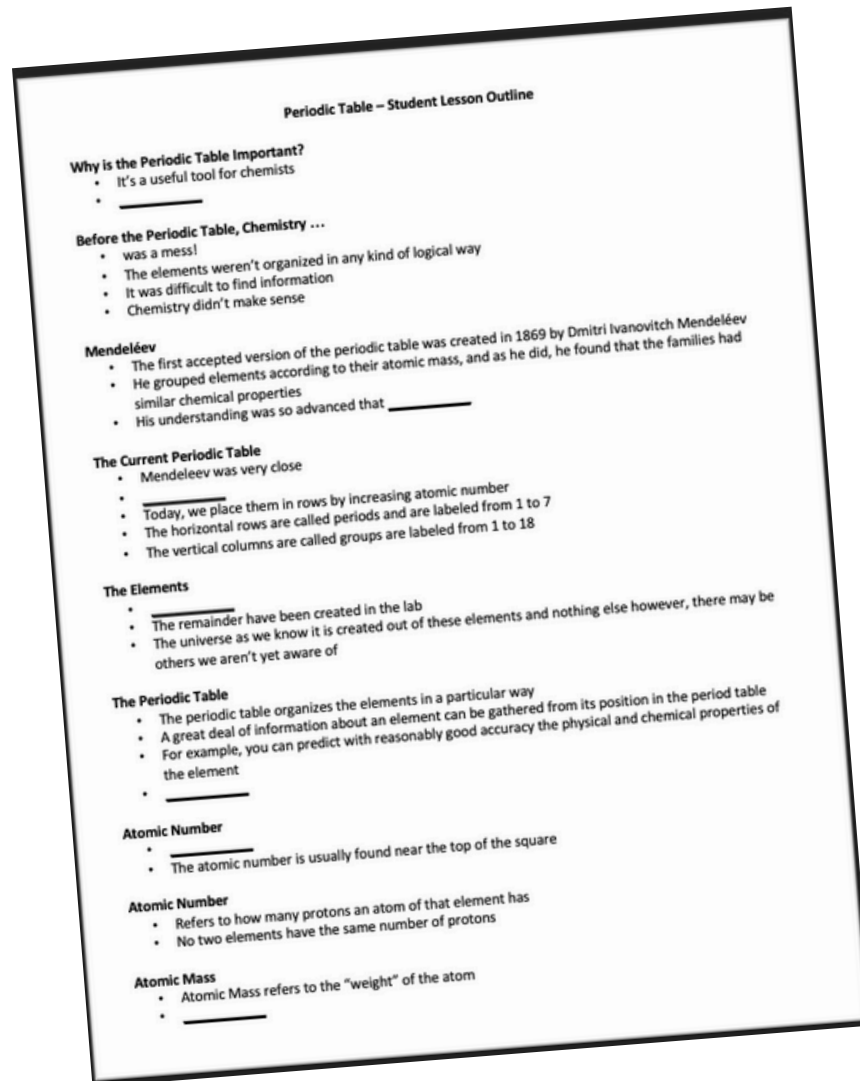
Important: Before you click, make sure you're signed in to the Google account you'd like the resources placed into. If the resources are added to the wrong account, simply sign out and then into the correct one and repeat the process.

Click here to place a copy of your resources into your Google account

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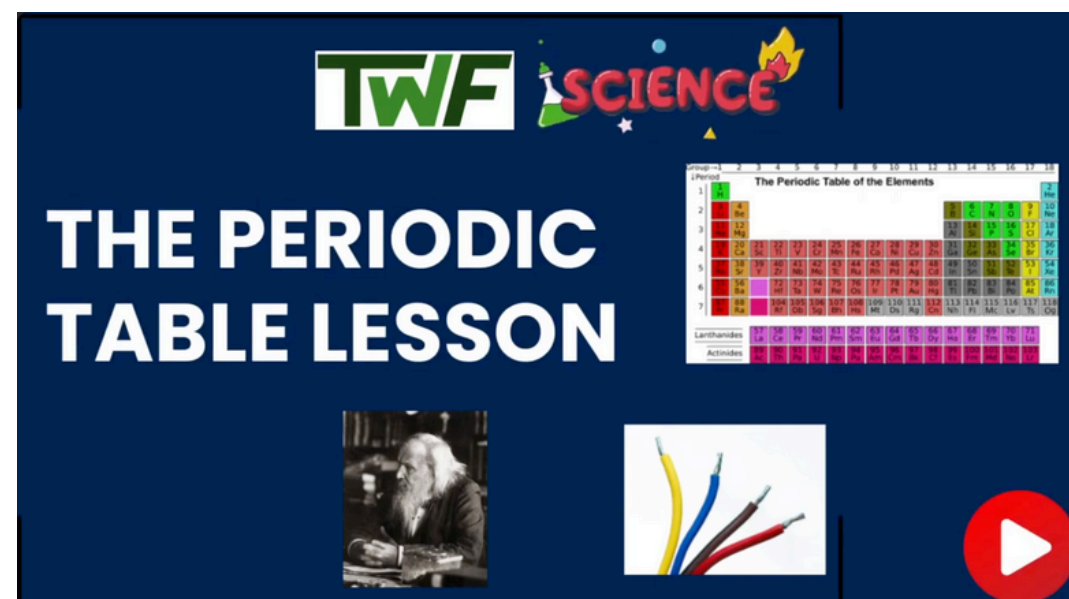
Google Classroom Ready
One-Click Google Slides Access

Your Lesson



Print AND Digital

Engaging Activities
and Assessments



Full Lesson Instructional Video Walkthrough
included.

HAPPY TEACHERS SAID...

Using the Periodic Table

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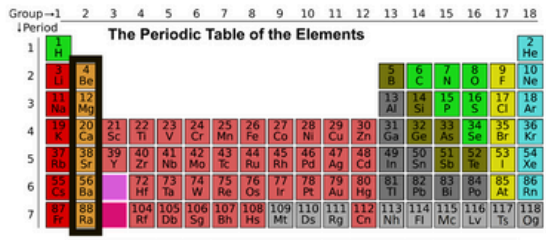
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T E P L Y K T K N Y E V V H D
L T Z J W H L N Z D D F N J J
Y V U S L W W T A L N S P L G
A S I I A G G D E L E N U Y N
B J O G H A V M F P D U
G I E W C I M O T A B S
E O O Q D S H L E O C H
J Y J V A L E N C Y B W
Z E K P W N N W K B N G

ELEMENT
HALOGEN
METAL

FAMILY
LANTHANIDE
PERIOD

Word Scramble

★★★★★ Extremely satisfied - This periodic table resource made learning meaningful and engaging for my students. Thank you!

★★★★★ Extremely satisfied - Great resource for teaching the periodic table.

★★★★★ Extremely satisfied - Great resources...thanks for all your effort.

★★★★★ Extremely satisfied - Great product!! Great to reinforce and help teach the concept.

★★★★★ Extremely satisfied - A-MAZE-ING! I purchased three PowerPoint presentations from you. My students have commented several times how cool they are as we've worked through them!! I love your student version of the slides as well - really helps accommodate IEP students. Thanks so much!!!

Upgrade to the Periodic Table 5E Bundle

Get my Periodic Table lesson plus additional activities and assessments inside my Periodic Table 5E Bundle.

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Google & Office Versions

No-Prep and Fully Editable

Over 245 Units Sold!

Complete Teacher Instructions

The Periodic Table Lab Station Activity

Device-Based Scavenger Hunt Elements and the Periodic Table

Includes:

- 5 Unique Locations
- Online form submission
- Answer Key

Works on all smartphones, tablets, Chromebooks and laptops

The Periodic Table Cards and Review Activity

Learning or the Periodic Table

Works on all smartphones, tablets, Chromebooks and laptops

100% Digital

- Simulations
- Quizzes
- Videos
- Games
- Word Scramble
- and more

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

Works on all smartphones, tablets, Chromebooks and laptops

Alternative to worksheet review.

THE PERIODIC TABLE 5E LESSON BUNDLE

PERIODIC TABLE OF THE ELEMENTS

Covers Key Periodic Table Terms & Topics

- Lessons
- Activities
- Assessment

Click to learn more!

“★★★★★ Extremely satisfied - Absolutely love the set up for these lessons! The slides are interactive and engaging for the students and the activities that come with the lesson allow for students to gain deeper understanding of the topic being discussed! These were an essential part of my curriculum for the past two years and I am looking forward to using them again!”

As a special bonus, I want to send you a few resources that you can use in your classroom tomorrow. Completely free and geared towards what you teach!



Just  **and then choose what you teach!**

thanks
**for your interest
in this resource!**

