

NGSS MS-PS1-1

Curriculum Bundle

Atomic Composition of Simple Molecules

- ✓ 4 Lessons and 7 Activities
- ✓ Everything You Need to Teach NGSS MS-PS1-1



Resources Included

✓ 4 Lessons

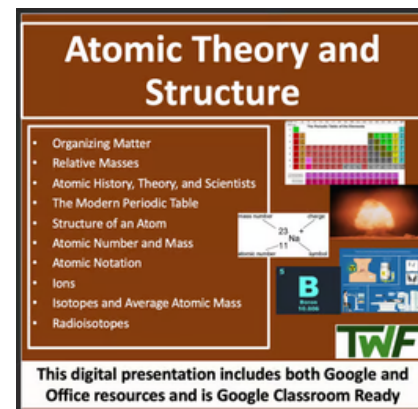
✓ 7 Activities

- Atomic Structure and Notation Lesson
- Atomic Theory and Model Lesson
- Atoms - History and Theory – Scavenger Hunt
- Atoms Elements and Compounds Digital Interactive Notebook – Chapters 2, 3, 4
- Atoms Elements and the Periodic Table Word Search and Scramble
- Crash Course Chemistry the History of Atomic Chemistry
- The Periodic Table Lesson
- Counting Atoms in Compounds Worksheet
- Chemical Symbols Formulas and Compounds

Atomic Theory and Structure

- Organizing Matter
- Relative Masses
- Atomic History, Theory, and Scientists
- The Modern Periodic Table
- Structure of an Atom
- Atomic Number and Mass
- Atomic Notation
- Ions
- Isotopes and Average Atomic Mass
- Radioisotopes

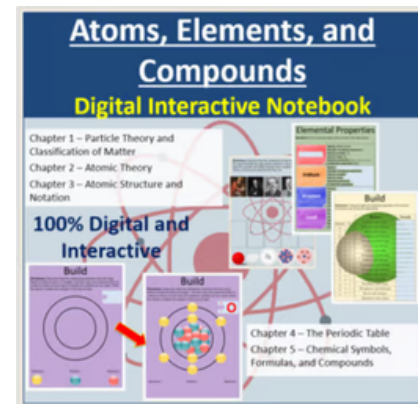
This digital presentation includes both Google and Office resources and is Google Classroom Ready



Atoms, Elements, and Compounds
Digital Interactive Notebook

Chapter 1 – Particle Theory and Classification of Matter
Chapter 2 – Atomic Theory
Chapter 3 – Atomic Structure and Notation
Chapter 4 – The Periodic Table
Chapter 5 – Chemical Symbols, Formulas, and Compounds

100% Digital and Interactive



Atoms, Elements, and the Periodic Table Word Search and Scramble

THREE Activities in One!

1. Basic 25-Term Word Search
2. Scrambled Words Word Search
3. Word Scramble and Define Activity



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Everything You Need to Teach NGSS MS-PS1-1

Atomic Structure and Notation

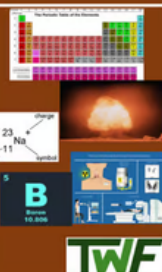
- Atoms and subatomic particles
 - Protons, Neutrons, and Electrons
- Atomic Number
- Atomic Mass
- Isotopes
- Calculating Average Atomic Mass
- Periodic Table Notation
- Chemical Symbols



Google Slides and PowerPoint Versions

Atomic Theory and Structure

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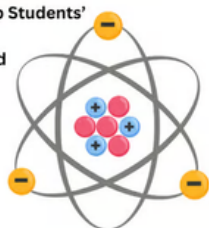


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Crash Course Chemistry #37: The History of Atomic Chemistry

- ✓ Classroom Ready - Just Print and Go!
- ✓ Active Engagement - Keep Students' Attention
- ✓ Direct Video Link Included

WATCH VIDEO



Includes Student Copy and Answer Keys



Periodic Table

- Before the Periodic Table
- Mendeléeiev
- The Current Periodic Table
- The Elements
- Atomic Number
- Atomic Mass
- Valence Electrons
- Metals, Non-Metals, and Metalloids
- Columns and Families
- Rows and Periods



Google Slides and PowerPoint Versions Included
Google Classroom Ready

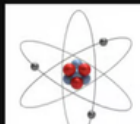
Device-Based Scavenger Hunt Atoms: Atomic Theory and Structure



- 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



Atoms, Elements, and the Periodic Table Word Search and Scramble

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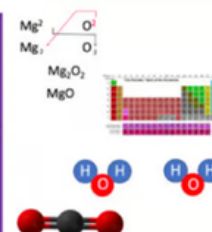


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Chemical Symbols, Formulas & Compounds

- Symbols
- Element Names
- Counting Atoms
- Naming Compounds
- Combining Capacity
- Building a Molecule
- Criss-Cross Rule
- Naming Compounds

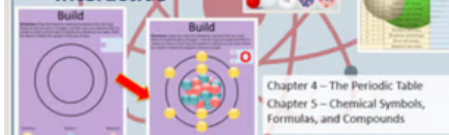


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Atoms, Elements, and Compounds Digital Interactive Notebook

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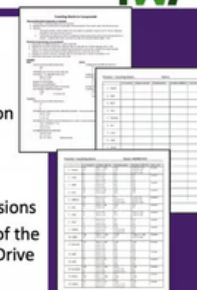
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Counting Atoms in Compounds

Includes:

- 16 practice questions with solutions
- Step-by-step walkthrough on how to count atoms in compounds
- 3 fully-worked examples
- Word, PDF, and Google versions
- One-click to create a copy of the worksheet in your Google Drive



Classroom-Tested and Formatted

The Standard is Explained and the Resources it Incorporates are Outlined

Next Generation Science Standards Package MS PS1 Matter and its Interactions

Note: There may be resources that overlap between the standards. Simply choose the order that best fits your classroom. Also, there are more resources here than you will most likely decide to use. I have provided extra so you can make the best decision for your students on what is best to include.

MS-PS1-1. Develop models to describe the atomic composition of simple molecules and extended structures. [Clarification Statement: Emphasis is on developing models of molecules that vary in complexity. Examples of simple molecules could include ammonia and methanol. Examples of extended structures could include sodium chloride or diamonds. Examples of molecular-level models could include drawings, 3D ball and stick structures, or computer representations showing different molecules with different types of atoms.] [Assessment Boundary: Assessment does not include valence electrons and bonding energy, discussing the ionic nature of subunits of complex structures, or a complete description of all individual atoms in a complex molecule or extended structure is not required.]

Resources:

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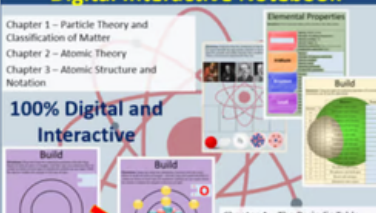
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Atoms, Elements, and Compounds

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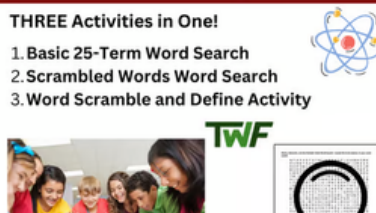


Chapter 4 - The Periodic Table
Chapter 5 - Chemical Symbols, Formulas, and Compounds

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Who is this Bundle for?

- **Teachers who teach middle school science and use the NGSS**
- **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**