

TEKS Grade 8 - S.8.6.E

The Conservation of Mass

- ✓ 8th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



- Saves Prep Time - Everything is pre-made, ready to go, and fully editable.
- Resources are Engaging, Applicable, and Fully TEKS Aligned.
- Includes a Teaching Timeline
- Digital and Print - Most resources come in PDF, Office, and Google versions.

SCROLL
to learn more!

HOW THIS BUNDLE HELPS YOU

- **Saves Prep Time** - Everything is pre-made, ready to go, and fully editable.
- **Digital and Print** - Most of the resources come in PDF, Office, and Google versions so no formatting needed. They can be printed, uploaded, or displayed.
- **Provides Applicability** - So you know what to teach and when in order to fully cover the TEKS Standards.

Lesson, Activity, & Daily Teaching Timeline

Law of Conservation of Mass

Included in your bundle:

- Law of Conservation of Mass
- Chemical Reactions
- Reactants and Products
- Counting Atoms
- Practice Questions

TEKS – Grade 8

5.8.6 Matter and energy. The student understands that matter can be classified according to its properties and matter is conserved in chemical changes that occur within closed systems.

5.8.6.E - The student is expected to investigate how mass is conserved in chemical reactions and relate conservation of mass to the rearrangement of atoms using chemical equations, including photosynthesis.

Resources:

- Law of Conservation of Mass – Lesson
- The Law of Conservation of Mass Worksheet – Lesson

TEKS Science Daily Teaching Plan

Lesson Length: 55 minutes
Timeframe: 2 Days

Day	Lesson/Activity
Day 1	Start Law of Conservation of Mass – Lesson
Day 2	Complete Law of Conservation of Mass – Lesson The Law of Conservation of Mass Worksheet – Lesson

Law of Conservation of Mass

A fire is a chemical reaction. Where does the wood go?

When wood burns, the wood changes form but doesn't disappear. It becomes ashes and carbon dioxide (CO₂).

Check Your Understanding

If the blue block weighs 10 g and the red block weighs 5 g and they react to produce a 3 g yellow block and a purple block, what will the purple block weigh? 10 g + 5 g = 15 g

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If the blue block weighs 10 g and the red block weighs 5 g and they react to produce a 3 g yellow block and a purple block, what will the purple block weigh? 10 g + 5 g = 15 g

Opportunities for students to check their understanding with answer key

The Law of Conservation of Mass Worksheet

For each equation below, count the atoms on the reactant side and product side and determine if they are following the law of conservation of mass. Circle the checkmark if it does and the "X" if it doesn't.

Does the equation follow the law of conservation of mass?

Equation	Reactants	Products	Checkmark	X
1. $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$	H O	H O	✓	✗
2. $\text{H}_2 + \text{O}_2 \rightarrow \text{H}_2\text{O}$	H O	H O	✓	✗
3. $\text{N}_2 + 2\text{H}_2 \rightarrow 2\text{NH}_3$	N H	N H	✓	✗
4. $3\text{Li} + \text{AlCl}_3 \rightarrow 3\text{LiCl} + \text{Al}$	Li Al Cl	Li Al Cl	✓	✗
5. $3\text{Fe} + \text{P} \rightarrow \text{Fe}_3\text{P}$	Fe P	Fe P	✓	✗
6. $\text{FeBr}_2 + \text{Na} \rightarrow \text{Fe} + 2\text{NaBr}$	Fe Br Na	Fe Br Na	✓	✗
7. $\text{HCl} + \text{NaOH} \rightarrow \text{NaCl} + \text{H}_2\text{O}$	H Na O Cl	H Na O Cl	✓	✗

★ Day-by-day Teaching Schedule

★ 1 Engaging Lesson with Embedded Videos and Teacher & Student Version

★ 1 Activity to Reinforce the Concept

★ Office, Google, and PDF Versions of Resources



What You Get

Lesson, Activity, & Daily Teaching Timeline

Law of Conservation of Mass

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- Law of Conservation of Mass
- Chemical Reactions
- Reactants and Products
- Counting Atoms
- Practice Questions



TWF

Law of Conservation of Mass

A fire is a chemical reaction. Where does the wood go?



Student and Teacher versions of the presentations and videos embedded

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Check Your Understanding

If the blue block weighs 10 g and the red block weighs 5 g and they react to produce a 3 g yellow block and a purple block, what will the purple block weigh? 15 g - 3 g = 12 g



Opportunities for students to check their understanding with answer key

TEKS – Grade 8

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Does the equation follow the law of conservation of mass?

Equation	Reactants	Products	Checkmark	X
1. $2\text{N}_2 + 2\text{O}_2 \rightarrow 2\text{N}_2\text{O}_4$	N O	N O	✓	✗
2. $\text{H}_2 + \text{O}_2 \rightarrow \text{H}_2\text{O}_2$	H O	H O	✓	✗
3. $\text{N}_2 + 2\text{H}_2 \rightarrow 3\text{NH}_3$	N H	N H	✓	✗
4. $3\text{Li} + \text{AlCl}_3 \rightarrow 3\text{LiCl} + \text{Al}$	Li Al Cl	Li Al Cl	✓	✗
5. $3\text{Rb} + \text{P} \rightarrow \text{Rb}_3\text{P}$	Rb P	Rb P	✓	✗
6. $\text{FeBr}_2 + \text{Na} \rightarrow \text{Fe} + 2\text{NaBr}$	Fe Br Na	Fe Br Na	✓	✗
7. $\text{HCl} + \text{NaOH} \rightarrow \text{NaCl} + \text{H}_2\text{O}$	H Na O Cl	H Na O Cl	✓	✗

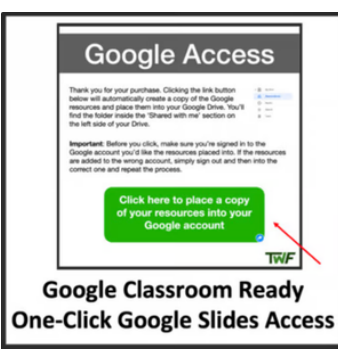
WHAT SPECIFICALLY DO YOU GET?

Who is this Bundle for?

- Teachers who teach 8th grade science in Texas
- Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to prepare their students for the STAAR Science Exam
- Teachers who don't have time to develop their own resources or organize what to teach and when



- Law of Conservation of Mass
- Chemical Reactions
- Reactants and Products
- Counting Atoms
- Practice Questions
- Conservation of Mass Worksheet



Upgrade to the TEKS Grade 8 Bundle

✓ **SAVE YOU 85%!**

✓ **Covers All 8th Grade TEKS Standards:** Fully aligned with Texas' standards for Grade 8 Science.

✓ **Massive Resource Library:** Includes 5E lesson bundles, labs, lessons, readings, activities, quizzes, and more across all science domains.

✓ **Organized by Standard:** Easy-to-navigate layout helps you teach S.8.1-13

✓ **No Prep & Editable:** Ready-to-use PDFs, Word docs, and digital versions for seamless classroom integration.

8th Grade Science TEKS Curriculum Bundle

- ✓ Complete 8th Grade Science TEKS Curriculum Bundle - Ideal for Classroom and STAAR prep
- ✓ Variety of Lesson and Activity Types
- ✓ Organized by Topic & Standard
- ✓ Digital + Printable Formats



**Click to
learn more!**

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!**



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