

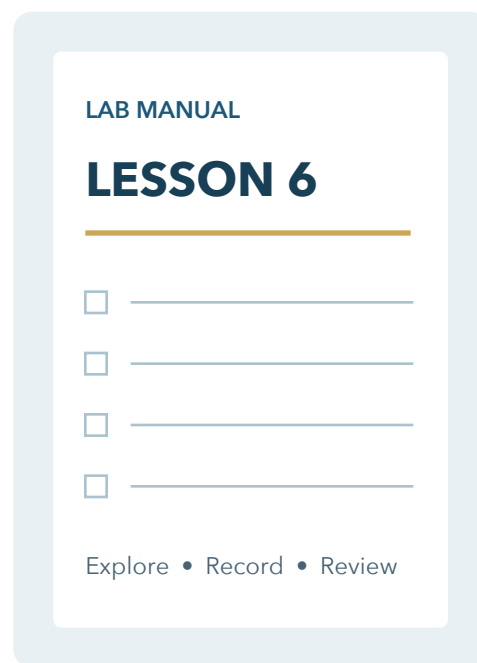
See a real lesson before you decide.

CHEMISTRY / LESSON 6

Elementary Elements

Explore the building blocks of matter and the order behind the periodic table.

Inside: selected Lab Manual pages with student notes, activities, and review work that accompany the Reader.



The printed Lab Manual is designed for use with the Student Reader, sold separately or together as a set. Experiment supplies are not included.

Easy for you. Fascinating for them. Grounded in truth.

Free PDF sample. No email address required. Share it with another homeschool family.

[Explore the Chemistry Printed Lab Manual](#)

[Compare all Chemistry course options](#)

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ISBNs:

The Mystery of Science: Chemistry Student Reader: 978-1-955999-25-0

The Mystery of Science: Chemistry Lab Manual (Paper): 978-1-955999-26-7

The Mystery of Science: Chemistry Lab Manual (Digital): 978-1-955999-27-4

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Printed in the United States of America

Published by Bright Ideas Press

Dover, Delaware

www.BrightIdeasPress.com

1.877.492.8081

32 31 30 29 28 27 26

12 11 10 9 8 7 6 5 4 3 2 1

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Production Credits:

Copyediting and Proofreading: Mary Jo Tate, Lisa Adams Baghdady

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Layout and Design: Tyler Hogan

Coloring Pages by Eleanor Bruce and David W. Taylor

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Lesson 6: Elementary Elements

Goal: To identify elements as the purest form of matter and understand their organization on the periodic table.

Materials Needed

- ☐ 3 x 5 lined index cards
- ☐ rubber band

Suggested Daily Guide

Day 1:

- Read through the “Define It” and “Write It” questions.
- Read the lesson in your *Student Reader*.
- Work on Scripture memory.

Day 2:

- Read through the lesson again.
- Write the definitions or say them out loud.
- Complete the “Write It” section.
- Work on Scripture memory.

Day 3:

- Complete the “Apply It” section.
- Work on Scripture memory.
- Record the chemist’s information in Appendix B.

Day 4:

- Complete the “Research It” section.
- Work on Scripture memory.
- Complete the “Review It” section.

Scripture Memory

Colossians 1:16: “For by Him all things were created, both in the heavens and on earth, visible and invisible, whether thrones, or dominions, or rulers, or authorities—all things have been created through Him and for Him.”

Student Notes

Define It

1. element: _____

2. periodic table of the elements: _____

3. symbol: _____

4. pure substance: _____

Write It

1. When matter is made of one or more of the same kind of atoms, it is called a _____.
2. Some symbols come from an element's _____ name.
3. There are about _____ naturally occurring elements.
4. An element is the purest form of _____ that exists.
5. _____ made each of the naturally occurring elements.

Apply It

Making Element Cards

You have already read about 6 elements on the periodic table in your Creation Corners, and you will be learning about more as we progress. By recording information about elements on index cards, you can expand your knowledge of chemistry and develop a database about each element. By the time you finish this chemistry course, you'll have made an element card for each Creation Corner.

Materials Needed

- ☐ 3 x 5 lined index cards
- ☐ rubber band

Instructions

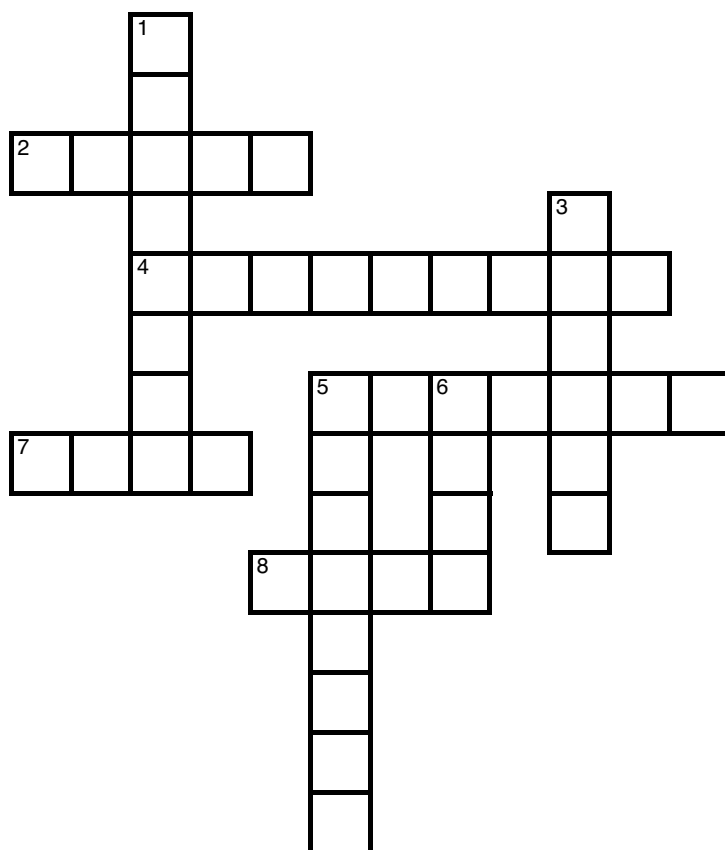
1. Prepare element cards for each element we have covered in the Creation Corners for lessons 1–6.
2. On the unlined side of an index card, write the name of the element at the top. Use the periodic table in Appendix B to find the symbol for that element and write it in the center of the card in large letters. Toward the bottom of the card, record the atomic number and atomic mass, which we will be studying later.
3. On the back of each card, write down the element's physical and chemical properties and interesting facts.
4. If you've also learned something about an element from another book or source, write that information on your card as well.
5. Store your cards in a card box or bind them with a rubber band. Keep them handy as you read the lessons and update them when you learn new information about an element.

Research It

Astronauts fly into space on special missions to collect information and study the stars and planets. How many astronauts do you think are chemists? You might be surprised. *With parental guidance*, you can use the internet to search for the words *astronaut* and *chemist* to find out more.

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Review It



Across

2. Symbol Rn
4. Last on periodic table
5. Symbol Ca
7. Atomic number 30
8. Symbol Au

Down

1. First on periodic table
3. Atomic number 11
5. A type of bleach
6. Symbol Pb

Keep the discovery going.

You have seen selected pages from the Chemistry Lab Manual. The full printed manual gives your child a place for notes, activities, experiments, and review work throughout the course.

What else will I need?

Use the Lab Manual with the Chemistry Student Reader. You can buy the Reader separately or choose the Reader-and-Manual set. Experiment supplies are not included.

Less time preparing. More time discovering.

Explore the course and choose the books that fit your family.

[**Shop the Chemistry Printed Lab Manual**](#)

[See the Chemistry set](#)

Still deciding? Get monthly ideas from Karri to teach science with more confidence, curiosity, and less preparation.

Teaching the Curiosities of Creation

Created by Karri Iverson, homeschool mom of five and science educator.