

Changing Matter



Karen Larson

Changing Matter



Karen Larson

Consultant

Michael Patterson
Principal Systems Engineer
Raytheon Company

Image Credits: pp.20–21 (background) Robert Harding World Imagery/Alamy; p.32 ZUMA Press, Inc./Alamy; p.19 (illustrations) Tim Bradley; p.24 Lexa Hoang; pp.2–5 (background), 7 (right), 8–10, 11 (bottom right), 12–13 (background), 13 (bottom & right); 14–15 (background), 16–17, 22–23, 25, 30–31 iStock; p.25 (top) Jessica Gow/epa/Newscom; pp.28–29 (illustrations) J.J. Rudisill; p.25 (bottom) Pascal Goetgheluck/Science Source; all other images from Shutterstock.

Library of Congress Cataloging-in-Publication Data

Larson, Karen, 1951- author.

Changing matter / Karen Larson.
pages cm

Summary: "We all know the three states of matter: solid, liquid, and gas. But what defines these different states? And what's plasma? What if something is in between states? Is a soliquid a real thing? Perhaps there's more to matter than simply being a solid, a liquid, or a gas!"—Provided by publisher.

Audience: K to grade 3.

Includes index.

ISBN 978-1-4807-4642-8 (pbk.)

ISBN 978-1-4807-5086-9 (ebook)

1. Matter—Properties—Juvenile literature.
2. Change of state (Physics)—juvenile literature. I. Title. QC173.16.L37 2015 530.4'74—dc23

2014034264

Teacher Created Materials

5301 Oceanus Drive
Huntington Beach, CA 92649-1030
<http://www.tcmpub.com>

ISBN 978-1-4807-4642-8

© 2015 Teacher Created Materials, Inc.



Table of Contents

What Is Matter?	4
Properties of Matter	6
States of Matter	8
Changing Matter	18
Why Matter Matters	26
Think Like a Scientist	28
Glossary	30
Index	31
Your Turn!	32