

BABY
Loves

Photosynthesis!

on St. Patrick's Day

Ruth
Spiro

Illustrated by
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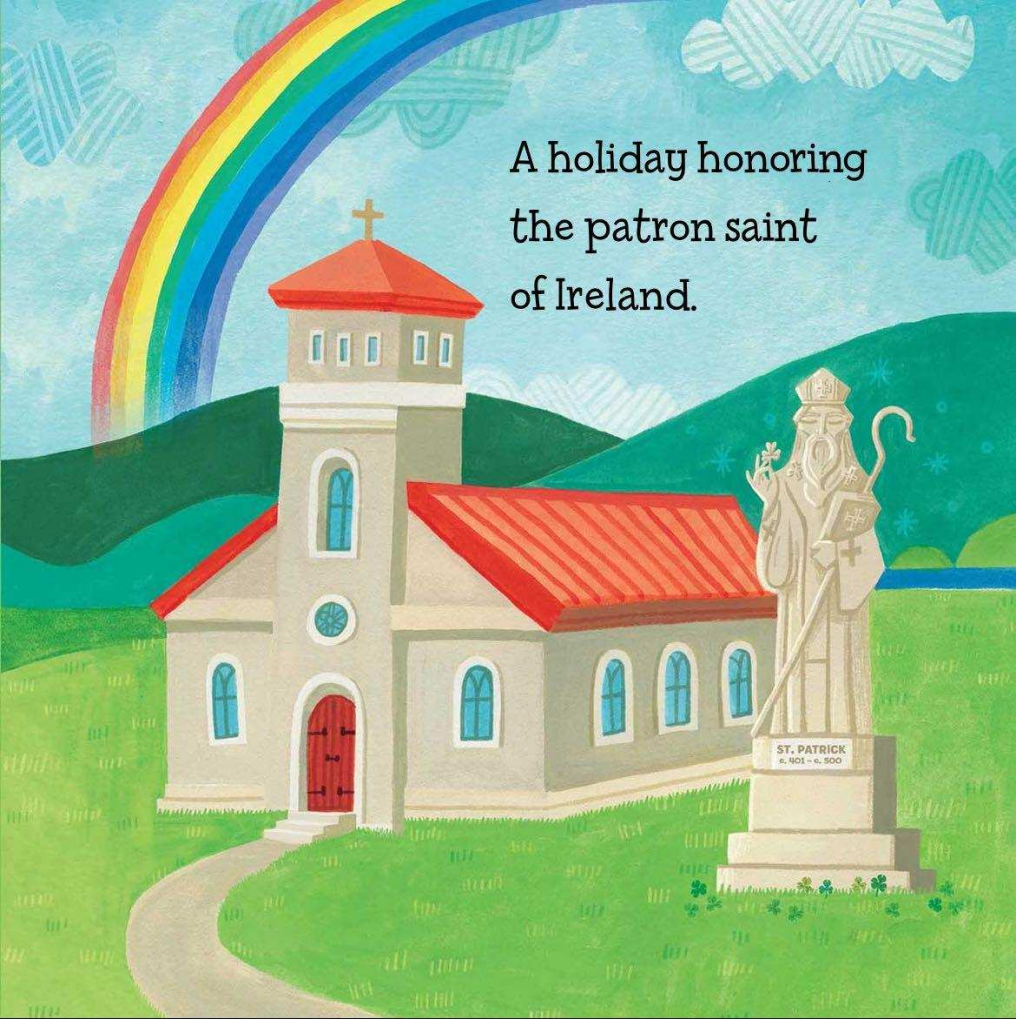
Baby is wearing green for St. Patrick's Day!



What is
St. Patrick's Day?



A holiday honoring
the patron saint
of Ireland.



Long ago, St. Patrick's Day began
as a religious feast day.



When people from
Ireland came to America, they brought
customs from their homeland.

They celebrated St. Patrick's Day
to show pride in their heritage.



They started new traditions, too.

On St. Patrick's Day,
Baby wears green,



reads stories
about magical
leprechauns,



and gathers
shamrocks,
or clover.



Most shamrocks have three leaves,
but the lucky ones have four!

What makes clover and other plants grow?
Photosynthesis!





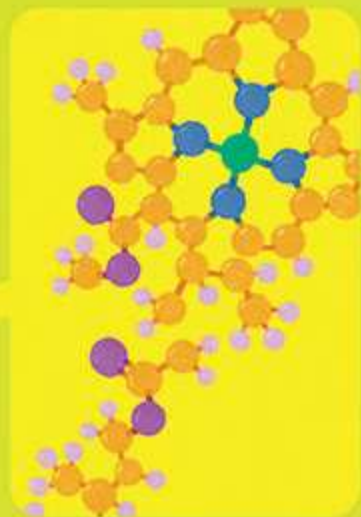
Photosynthesis means “build with light.”

The clover's leaves are made of cells.



**LEAF
CELL**

Inside the cells
are chloroplasts,



CHLOROPLAST


CHLOROPHYLL

and inside the chloroplasts is chlorophyll.

Chloroplasts store
light energy from the sun.



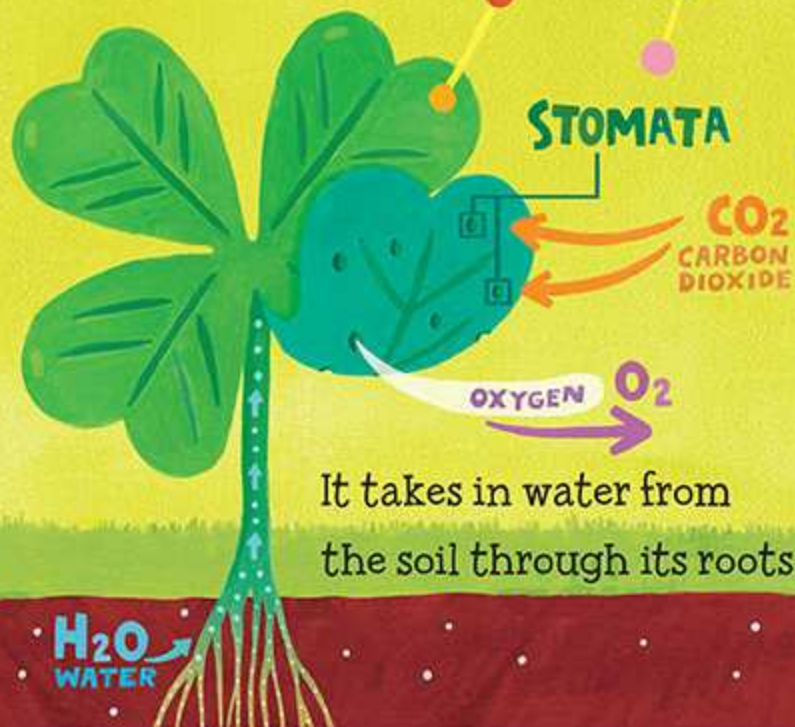
Chlorophyll absorbs the red and blue light.

A child with red curly hair is shown in profile, looking towards a rainbow on the left. A green arrow points from the word 'GREEN' to the child's eye. A thought bubble above the child's head contains a green four-leaf clover. The background is a light green sky with clouds and a yellow string of colorful beads. The foreground is a green field with grass, white daisies, and several four-leaf clovers.

It reflects the
green light,

so the clover looks green.

The clover takes in carbon dioxide from the air through tiny openings in the leaf, called stomata.



It takes in water from the soil through its roots.

LIGHT

Inside the chloroplast, the stored energy changes water and carbon dioxide into sugar and oxygen.

H₂O

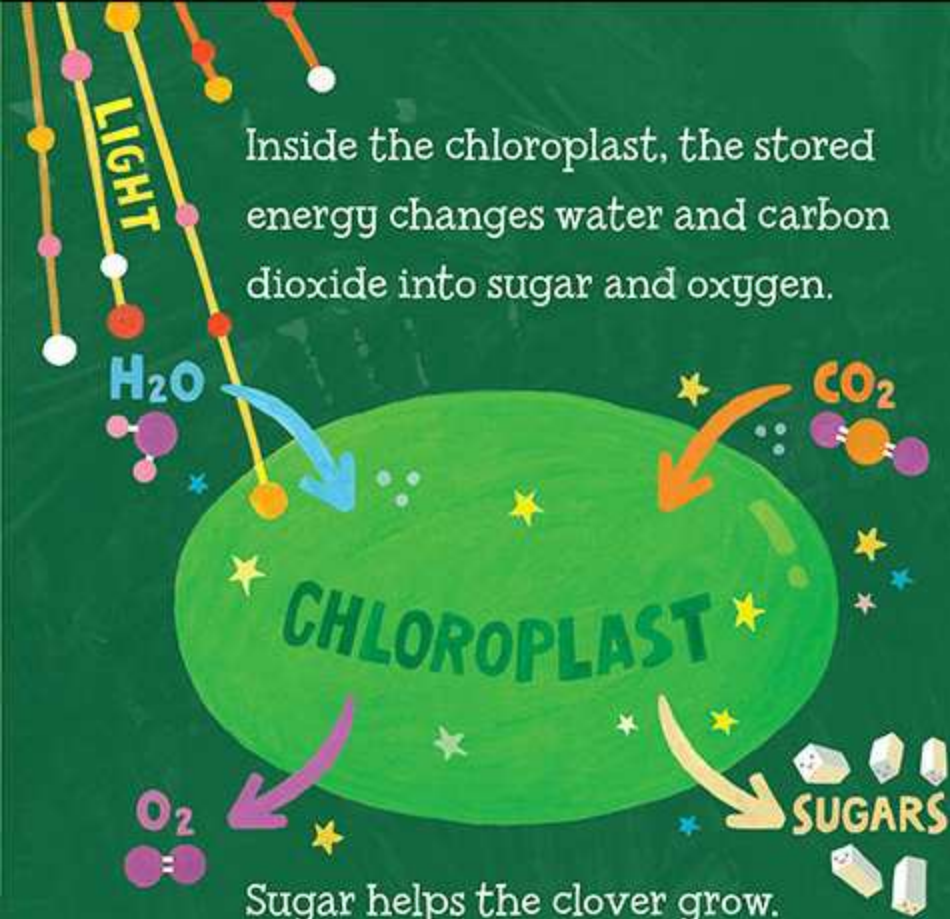
CO₂

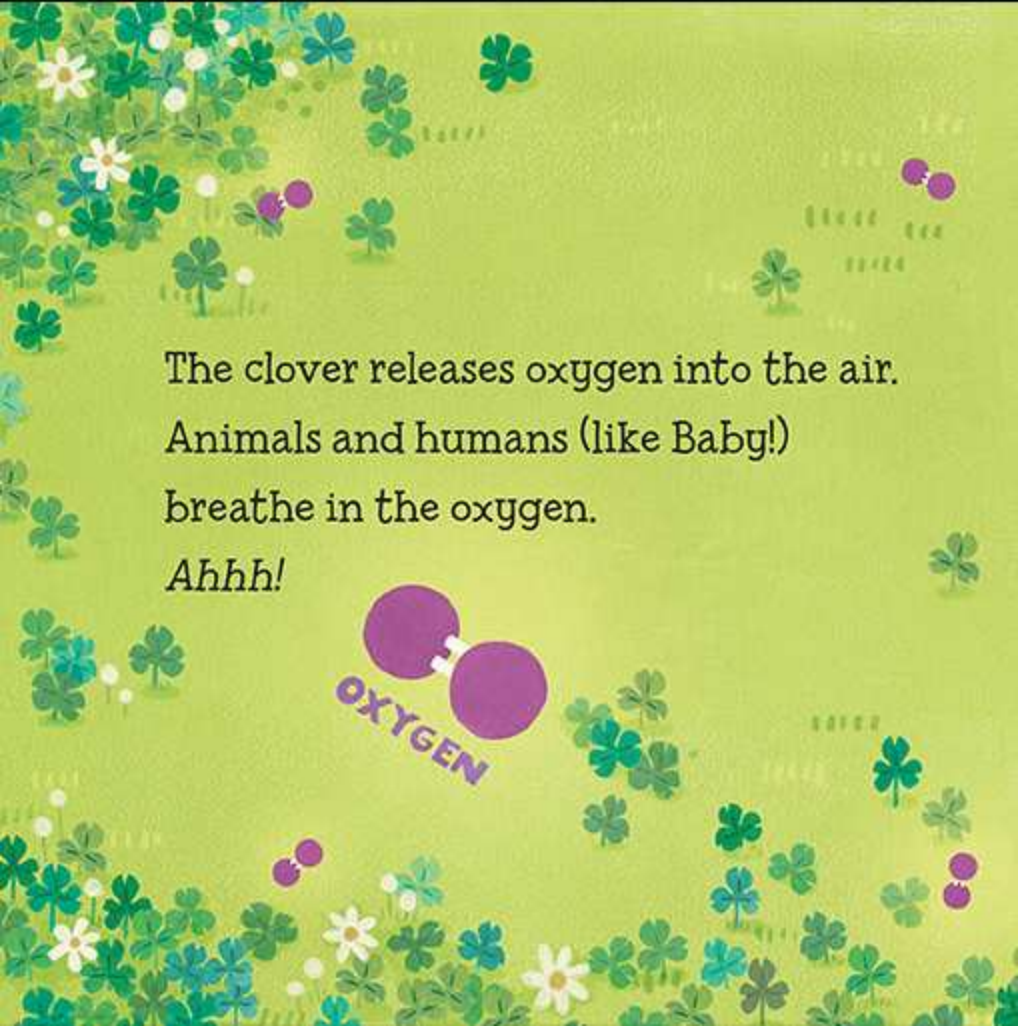
CHLOROPLAST

O₂

SUGARS

Sugar helps the clover grow.



The background is a light green field filled with various types of clovers (green, blue, and white) and small white flowers. There are also several pairs of purple spheres floating in the air, representing oxygen molecules. The text is centered in the middle of the page.

The clover releases oxygen into the air.
Animals and humans (like Baby!)
breathe in the oxygen.

Ahhh!

A large illustration of an oxygen molecule, consisting of two purple spheres connected by a small white bridge. The word "OXYGEN" is written in purple capital letters below the spheres.

OXYGEN



Families celebrate St. Patrick's Day in different ways. They may attend church, share a special meal with others,



or go to a parade.



Not all Baby's friends celebrate
St. Patrick's Day . . .



but they all can help search
for lucky four-leaf clovers!



Baby loves St. Patrick's Day!

Baby looks for a lucky four-leaf clover.
He learns what makes plants green
and grow. It's fun to celebrate
St. Patrick's Day with food,
parades, science, and a little luck!

Also available:



To my "wee friends," may the sun shine warm upon your face.—R. S.

To all of us who live under and receive warmth from the sun.—I. C.

Very special thanks to Dr. Fred Bortz for his invaluable expertise and advice.

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**Published by Charlesbridge • 9 Galen Street, Watertown, MA 02472
(617) 926-0329 • www.charlesbridge.com**

Library of Congress Control Number: 2020057702

Printed by Hung Hing Printing (Heshan) Co., Ltd., in Heshan, Guangdong, China.

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