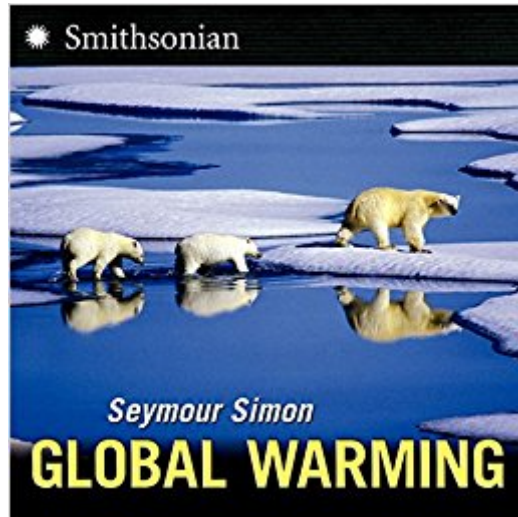




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# Global Warming



## Synopsis

Award-winning science writer Seymour Simon gives you a full-color photographic introduction to the causes and effects of global warming and climate change. Earth's climate has always varied, but it is now changing more rapidly than at any other time in recent centuries. The climate is very complex, and many factors play important roles in determining how it changes. Why is the climate changing? Could Earth be getting warmer by itself? Are people doing things that make the climate warmer? Supports the Common Core State Standards

## Book Information

Paperback: 32 pages

Publisher: Collins (February 26, 2013)

Language: English

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Product Dimensions: 10 x 10 inches

Shipping Weight: 2.1 ounces (View shipping rates and policies)

Average Customer Review: 3.6 out of 5 stars 12 customer reviews

Best Sellers Rank: #110,108 in Books (See Top 100 in Books) #88 in Books > Children's Books > Education & Reference > Science Studies > Environment & Ecology #122 in Books >

Children's Books > Education & Reference > Science Studies > Nature > Weather #167 in Books > Children's Books > Growing Up & Facts of Life > Health > Diseases

Age Range: 6 - 10 years

Grade Level: Kindergarten - 4

## Customer Reviews

Grade 3â "5â "Outstanding full-page, full-color photographs are the highlight of this introduction to the theories and concerns regarding global warming and climate change. Simon offers much basic information on the subjects of rising sea levels, ocean temperatures, and greenhouse gases. In addition, he explores the resulting problems of animal survival as well as the standard solutions outlined for both governments and families. While he strongly suggests that global warming is due to man-made causes, he does include the possibility of cyclical warming trends. Although comprehensive for the intended audience, the text is somewhat flat. A short glossary and index may help with more complicated ideas. A useful addition for collections needing well-illustrated introductory material.â "Eva Elisabeth VonAncken, Trinity-Pawling School, Pawling, NY Copyright

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Simon's consistently high-quality collaborations with the Smithsonian investigate all manner of science topics for young readers, and here take on the timely matter of climate change. Informative and non-condescending, this boils down large, complex issues into understandable concepts, even as it covers the range of current understanding on how we are impacting the planet. Simon distinguishes between weather and climate and offers a succinct explanation of the greenhouse effect and the dangers of rising levels of greenhouse gas emissions. Without being alarmist, he also explains how even a rise of a few inches in sea level could flood populated areas and touches on how the animal world, from butterflies to polar bears, is being impacted. Thoughtfully chosen full-page photos complement and reflect the text; dual pictures of dwindling glaciers and dying coral reefs impart a sense of urgency, while a small sprout of green emerging from parched soil is especially resonant, yet strangely hopeful. The book concludes with realistic ideas on how individuals, families, and communities can help alleviate the planetary pressure. Grades 3-5. --Ian Chipman --This text refers to an out of print or unavailable edition of this title.

This explains about the effect about Global Warming in non high science so everyone can understand why.

Product was exactly as advertised with competitive price very good value. Delivery was within the time frame quoted and arrived in great shape!

While many European Countries have been developing strategies and ways of combating global warming for the past 30 years, the U.S. has been debating and arguing whether global warming exists. This book does an excellent job of explaining in simple everyday language exactly what global warming is, on page 6 "GLOBAL WARMING IS HAPPENING BECAUSE OF THE GREENHOUSE EFFECT. A GREENHOUSE IS A HOUSE MADE OF GLASS. THE GLASS LETS IN SUNLIGHT BUT KEEPS WARM AIR FROM ESCAPING. EARTH IS NOT A GREENHOUSE, BUT CERTAIN GASES IN THE ATMOSPHERE ACT LIKE THE GLASS IN A GREENHOUSE. SUNLIGHT PASSES THROUGH EARTH'S ATMOSPHERE AND WARMS THE GROUND. SOME OF THE HEAT BOUNCES BACK INTO SPACE, BUT MUCH OF IT REMAINS TRAPPED NEAR THE GROUND BY CARBON DIOXIDE, WATER VAPOR, AND OTHER GREENHOUSE GASES IN

THE ATMOSPHERE". On page 10 "FOR THOUSANDS OF YEARS, THE BALANCE OF GREENHOUSE GASES IN THE ATMOSPHERE HAD NOT CHANGED MUCH. BUT NOW WE BURN HUGE AMOUNTS OF COAL, OIL, AND NATURAL GAS TO GENERATE ENERGY. EVERY YEAR, BILLIONS OF TONS OF CARBON DIOXIDE POUR OUT FROM THE EXHAUSTS OF CARS, TRAINS, TRUCKS, AIRPLANES, BUSES, AND SHIPS AND FROM CHIMNEYS OF FACTORIES. THERE IS 30 PERCENT MORE CARBON DIOXIDE IN THE AIR THAN THERE WAS 150 YEARS AGO". On pages 18-19 "AS TEMPERATURES RISE, THE LEVEL OF THE OCEANS WILL RISE. A RECENT STUDY FOUND THAT IF AVERAGE TEMPERATURES RISE BY 3 DEGREES CELSIUS(5.4 DEGREES FAHRENHEIT), GREENLAND'S ENORMOUS ICE SHEET WILL BEGIN TO MELT AND SEA LEVELS ALL OVER THE WORLD MAY RISE BY A HALF FOOT TO 3 FEET OR MORE. THIS MAY HAPPEN OVER YEARS OR DECADES OR MAY TAKE LONGER THAN A CENTURY. A 3-FOOT RISE IN SEA LEVEL WOULD SWAMP THE GULF COAST AND EVERY EAST COAST CITY FROM BOSTON TO MIAMI. RISING WATERS WOULD COVER LOW-LYING AREAS SUCH AS THE NILE DELTA AND COUNTRIES SUCH AS BANGLADESH. MILLIONS OF PEOPLE WOULD BE FORCED TO MOVE. THE ANARTIC ICE CAP HOLDS ABOUT 90 PERCENT OF THE WORLD'S ICE AND ABOUT 70 PERCENT OF ITS FRESHWATER. IT DOES NOT LOOK AS IF THE ENTIRE ICE CAP WILL MELT ANYTIME SOON, BUT IF IT DOES HAPPEN, SEA LEVELS WOULD RISE 20 OR MORE FEET. NOW, THAT WOULD CAUSE MAJOR FLOODING IN COASTAL AREAS". This book has 32 pages in it so you can read the whole thing on your train or bus commute to or from work, global warming is real and we all need to do something about it.

My students love this book

It was perfect for the report I was doing. Beautiful pictures and nice information.

Lite weight description, very clear for the young. Covers common concerns, Good.

naive and non-critical

This is all hype and hysteria. If you believe God, and the words in His Bible, then read the promise made by God that he will never flood the earth again, and the seasons will follow season in seed time and harvest.Ge 8:21 And the LORD smelled a sweet savour; and the LORD said in his heart, I

will not again curse the ground any more for man's sake; for the imagination of man's heart is evil from his youth; neither will I again smite any more every thing living, as I have done. Ge 8:22 While the earth remaineth, seedtime and harvest, and cold and heat, and summer and winter, and day and night shall not cease.

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