



Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series)

By Peter Godfrey-Smith

[Download now](#)

[Read Online](#) 

Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith

How does science work? Does it tell us what the world is "really" like? What makes it different from other ways of understanding the universe? In *Theory and Reality*, Peter Godfrey-Smith addresses these questions by taking the reader on a grand tour of one hundred years of debate about science. The result is a completely accessible introduction to the main themes of the philosophy of science.

Intended for undergraduates and general readers with no prior background in philosophy, *Theory and Reality* covers logical positivism; the problems of induction and confirmation; Karl Popper's theory of science; Thomas Kuhn and "scientific revolutions"; the views of Imre Lakatos, Larry Laudan, and Paul Feyerabend; and challenges to the field from sociology of science, feminism, and science studies. The book then looks in more detail at some specific problems and theories, including scientific realism, the theory-ladeness of observation, scientific explanation, and Bayesianism. Finally, Godfrey-Smith defends a form of philosophical naturalism as the best way to solve the main problems in the field.

Throughout the text he points out connections between philosophical debates and wider discussions about science in recent decades, such as the infamous "science wars." Examples and asides engage the beginning student; a glossary of terms explains key concepts; and suggestions for further reading are included at the end of each chapter. However, this is a textbook that doesn't feel like a textbook because it captures the historical drama of changes in how science has been conceived over the last one hundred years.

Like no other text in this field, *Theory and Reality* combines a survey of recent history of the philosophy of science with current key debates in language that any beginning scholar or critical reader can follow.

 [Download Theory and Reality: An Introduction to the Philoso ...pdf](#)

 [Read Online Theory and Reality: An Introduction to the Philo ...pdf](#)

Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series)

By Peter Godfrey-Smith

Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith

How does science work? Does it tell us what the world is "really" like? What makes it different from other ways of understanding the universe? In *Theory and Reality*, Peter Godfrey-Smith addresses these questions by taking the reader on a grand tour of one hundred years of debate about science. The result is a completely accessible introduction to the main themes of the philosophy of science.

Intended for undergraduates and general readers with no prior background in philosophy, *Theory and Reality* covers logical positivism; the problems of induction and confirmation; Karl Popper's theory of science; Thomas Kuhn and "scientific revolutions"; the views of Imre Lakatos, Larry Laudan, and Paul Feyerabend; and challenges to the field from sociology of science, feminism, and science studies. The book then looks in more detail at some specific problems and theories, including scientific realism, the theory-ladeness of observation, scientific explanation, and Bayesianism. Finally, Godfrey-Smith defends a form of philosophical naturalism as the best way to solve the main problems in the field.

Throughout the text he points out connections between philosophical debates and wider discussions about science in recent decades, such as the infamous "science wars." Examples and asides engage the beginning student; a glossary of terms explains key concepts; and suggestions for further reading are included at the end of each chapter. However, this is a textbook that doesn't feel like a textbook because it captures the historical drama of changes in how science has been conceived over the last one hundred years.

Like no other text in this field, *Theory and Reality* combines a survey of recent history of the philosophy of science with current key debates in language that any beginning scholar or critical reader can follow.

Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith Bibliography

- Sales Rank: #44481 in Books
- Brand: imusti
- Published on: 2003-08-01
- Released on: 2003-08-01
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x .80" w x 6.00" l, .86 pounds
- Binding: Paperback
- 272 pages

 [Download Theory and Reality: An Introduction to the Philoso ...pdf](#)

 [Read Online Theory and Reality: An Introduction to the Philo ...pdf](#)

Download and Read Free Online Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith

Editorial Review

Review

"While addressing important issues (such as the difference between logical positivism and logical empiricism), Godfrey-Smith displays consistent clarity. It is truly refreshing to read a text that is thorough, clear, and penetrating. Students with little or no background in philosophy or philosophy of science will find this book to be extremely worthwhile. Professionals in other fields and other disciplines will appreciate the breadth and depth. . . . Whether you teach philosophy of science, or whether you are simple interested in issues relating science, philosophy, history, and other fields, I am confident that you'll find *Theory and Reality* an accessible and rewarding read."--James Sage, *Metapsychology*
(James Sage *Metapsychology*)

"Godfrey-Smith presents a clear, comprehensive, and accessible introductory survey of the major problems and movements in the philosophy of science. It is an excellent book to use on its own in a lower-level philosophy of science course or as a supplement to some anthology of primary texts in a more sophisticated upper-level course. It would also suit anyone who has interest in the subject but little patience for jargon-heavy professional philosophy. . . . His exposition is accented by insightful commentary and criticism, and by examples from the history of science all with a keen sense of humor."

(Michael Weber *Science Education*)

"A stimulating introduction to nearly every department of general philosophy of science. . . . Godfrey-Smith's attempt to inject new vigor and liveliness into philosophy of science is quite successful, as evidenced by the charmingly opinionated style of presentation and the ease with which he ties latter-day perspectives on science back to the classic positivist tradition and the history of science. . . . A very fresh and well-conceived book."

(Matthew D. Lund *Journal of the History of Behavioral Sciences*)

From the Inside Flap

How does science work? Does it tell us what the world is "really" like? What makes it different from other ways of understanding the universe? In *Theory and Reality*, Peter Godfrey-Smith addresses these questions by taking the reader on a grand tour of one hundred years of debate about science. The result is a completely accessible introduction to the main themes of the philosophy of science.

Intended for undergraduates and general readers with no prior background in philosophy, *Theory and Reality* covers logical positivism; the problems of induction and confirmation; Karl Popper's theory of science; Thomas Kuhn and "scientific revolutions"; the views of Imre Lakatos, Larry Laudan, and Paul Feyerabend; and challenges to the field from sociology of science, feminism, and science studies. The book then looks in more detail at some specific problems and theories, including scientific realism, the theory-ladeness of observation, scientific explanation, and Bayesianism. Finally, Godfrey-Smith defends a form of philosophical naturalism as the best way to solve the main problems in the field.

Throughout the text he points out connections between philosophical debates and wider discussions about science in recent decades, such as the infamous "science wars." Examples and asides engage the beginning student; a glossary of terms explains key concepts; and suggestions for further reading are included at the

end of each chapter. However, this is a textbook that doesn't feel like a textbook because it captures the historical drama of changes in how science has been conceived over the last one hundred years.

Like no other text in this field, *Theory and Reality* combines a survey of recent history of the philosophy of science with current key debates in language that any beginning scholar or critical reader can follow.

About the Author

Peter Godfrey-Smith is an associate professor of philosophy and of history and philosophy of science at Stanford University. He is the author of *Complexity and the Function of Mind in Nature*.

Users Review

From reader reviews:

Christina Bain:

In other case, little people like to read book *Theory and Reality: An Introduction to the Philosophy of Science* (Science and Its Conceptual Foundations series). You can choose the best book if you like reading a book. Given that we know about how is important a new book *Theory and Reality: An Introduction to the Philosophy of Science* (Science and Its Conceptual Foundations series). You can add information and of course you can around the world with a book. Absolutely right, because from book you can learn everything! From your country until eventually foreign or abroad you will find yourself known. About simple factor until wonderful thing you may know that. In this era, we can open a book or maybe searching by internet system. It is called e-book. You can utilize it when you feel bored to go to the library. Let's learn.

Charles Lee:

Spent a free time and energy to be fun activity to complete! A lot of people spent their spare time with their family, or their own friends. Usually they performing activity like watching television, gonna beach, or picnic inside the park. They actually doing same thing every week. Do you feel it? Do you want to something different to fill your personal free time/ holiday? Might be reading a book is usually option to fill your no cost time/ holiday. The first thing you ask may be what kinds of guide that you should read. If you want to consider look for book, may be the publication untitled *Theory and Reality: An Introduction to the Philosophy of Science* (Science and Its Conceptual Foundations series) can be great book to read. May be it can be best activity to you.

Carmen Helton:

Playing with family in a park, coming to see the coastal world or hanging out with good friends is thing that usually you might have done when you have spare time, and then why you don't try point that really opposite from that. Just one activity that make you not experience tired but still relaxing, trilling like on roller coaster you are ride on and with addition of information. Even you love *Theory and Reality: An Introduction to the Philosophy of Science* (Science and Its Conceptual Foundations series), you may enjoy both. It is great combination right, you still want to miss it? What kind of hang type is it? Oh come on its mind hangout guys. What? Still don't get it, oh come on its called reading friends.

David Gonzales:

Do you one of the book lovers? If yes, do you ever feeling doubt while you are in the book store? Try to pick one book that you just dont know the inside because don't assess book by its protect may doesn't work at this point is difficult job because you are scared that the inside maybe not since fantastic as in the outside appear likes. Maybe you answer may be Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) why because the great cover that make you consider concerning the content will not disappoint anyone. The inside or content will be fantastic as the outside or maybe cover. Your reading 6th sense will directly make suggestions to pick up this book.

Download and Read Online Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith #756018USVJ9

Read Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith for online ebook

Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith books to read online.

Online Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith ebook PDF download

Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith Doc

Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith MobiPocket

Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith EPub

756018USVJ9: Theory and Reality: An Introduction to the Philosophy of Science (Science and Its Conceptual Foundations series) By Peter Godfrey-Smith