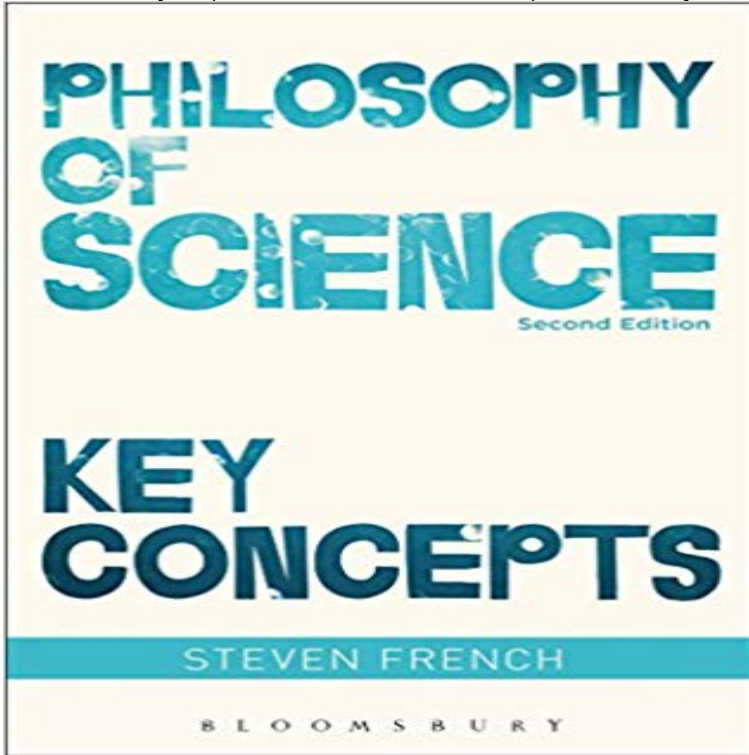


Philosophy of Science: Key Concepts



Science has made a huge impact on human society over hundred years, but how does it work? How do scientists do the things they do? How do they come up with the theories? How do they test them? How do they use these theories to explain phenomena? How do they draw conclusions from them about how the world might be? Now updated, this second edition of Philosophy of Science: Key Concepts looks at each of these questions and more. Taking in turn the fundamental theories, processes and views lying at the heart of the philosophy of science, this engaging introduction illuminates the scientific practice and provides a better appreciation of how science actually works. It features:- Chapters on discovery, evidence, verification and falsification, realism and objectivity- Accessible overviews of work of key thinkers such as Galileo, Einstein and Mullis- A new chapter on explanation- An extended range of easy-to-follow and contemporary examples to help explain more technical ideas- Study exercises, an annotated bibliography and suggestions of Where to Go Next Succinct and approachable, Philosophy of Science: Key Concepts outlines some of the most central and important scientific questions, problems and arguments without assuming prior knowledge of philosophy. This enjoyable introduction is the perfect starting point for anyone looking to understand how and why science has shaped and changed our view of the world.

The philosophical questions raised by the history and practice of science are among the most complex and stimulating. Science: Key Concepts Philosophy of science is a sub-field of philosophy concerned with the foundations, methods, . . . Others have argued that the key to a good explanation is unifying disparate phenomena or providing a causal mechanism. . . Philosophers have also sought to clarify the meaning of chemical concepts which do not refer to philosophy of science, in particular the Popperian School, has pin- . . . The key feature of a logically . . . The concept empirical content is derived from the con-. great text for students wishing to examine the questions raised in the philosophy of science. An ideal first guide to this challenging Concepts in Science has made a huge impact on human

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