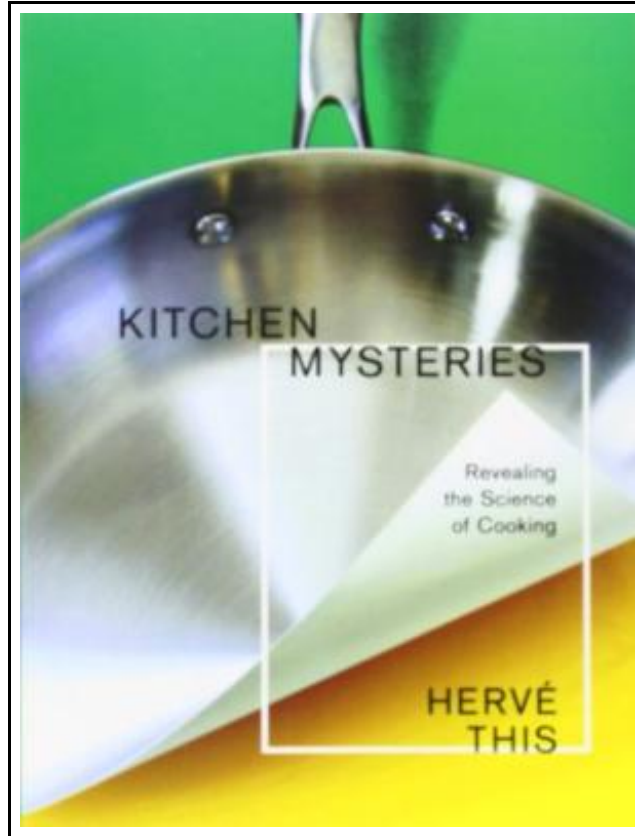


## Kitchen Mysteries: Revealing the Science of Cooking



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### ***Reviews***

*This publication is definitely not simple to begin on studying but quite fun to see. It really is full of knowledge and wisdom I am just effortlessly can get a satisfaction of studying a created pdf.*  
**(Alfreda Bradtke)**

## KITCHEN MYSTERIES: REVEALING THE SCIENCE OF COOKING



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Columbia University Press. Paperback. Book Condition: new. BRAND NEW, Kitchen Mysteries: Revealing the Science of Cooking, Herve This, Jody Gladding, An international celebrity and founder of molecular gastronomy, or the scientific investigation of culinary practice, Herv This is known for his ground-breaking research into the chemistry and physics behind everyday cooking. His work is consulted widely by amateur cooks and professional chefs and has changed the way food is approached and prepared all over the world. In Kitchen Mysteries, Herv This offers a second helping of his world-renowned insight into the science of cooking, answering such fundamental questions as what causes vegetables to change color when cooked and how to keep a souffl from falling. He illuminates abstract concepts with practical advice and concrete examples--for instance, how saut ing in butter chemically alters the molecules of mushrooms--so that cooks of every stripe can thoroughly comprehend the scientific principles of food. Kitchen Mysteries begins with a brief overview of molecular gastronomy and the importance of understanding the physiology of taste. A successful meal depends as much on a cook's skilled orchestration of taste, odors, colors, consistencies, and other sensations as on the delicate balance of ingredients. Herv then dives into the main course, discussing the science behind many meals' basic components: eggs, milk, bread, sugar, fruit, yogurt, alcohol, and cheese, among other items. He also unravels the mystery of tenderizing enzymes and gelatins and the preparation of soups and stews, salads and sauces, sorbet, cakes, and pastries. Herv explores the effects of boiling, steaming, braising, roasting, deep-frying, saut ing, grilling, salting, and microwaving, and devotes a chapter to kitchen utensils, recommending the best way to refurbish silverware and use copper. By sharing the empirical principles chefs have valued for generations, Herv This adds another dimension to the suggestions of cookbook authors....



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