



Creativity in the Sciences: A Workbook Companion to Innovation Generation

By Michael L. Goodman, Aisha S. Dickerson, Roberta B. Ness

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Learning to think innovatively requires practice. This workbook, which serves as a companion to Roberta Ness's *Innovation Generation: How to Produce Creative and Useful Scientific Ideas*, provides over 150 exercises and activities to hone creative problem-solving skills. Workbook tasks include improvisation, insight exercises, and generative skill building. Each chapter addresses doubts that individuals harbor concerning their ability to improve their innovative output, the techniques to work around frames, metaphors and biases in thinking, manipulatives to rearrange problem conceptualization, insight, intuition, collective innovative output from groups, and social and environmental factors that affect creative thinking. The workbook features straightforward and heuristic exercises for both individuals and groups.

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- Sales Rank: #1639535 in eBooks
- Published on: 2013-01-11
- Released on: 2013-01-11
- Format: Kindle eBook



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Editorial Review

About the Author

Michael L. Goodman is a public health scientist and practitioner with interests in global health, as well as health disparities in the United States. He is active with community health projects in Sub-Saharan Africa and Latin America, and enjoys applying innovative thinking practices to the unique problems that arise in settings with limited resources. Aisha S. Dickerson is a doctoral candidate in epidemiology at the University of Texas Health Science Center at Houston. Her main research interests, which focus on the possible causes of autism, include gene-environment interactions in autism cases, and further understanding this developmental disorder through innovative research studies. Roberta B. Ness is Dean of the University of Texas School of Public Health and the University of Texas - Houston Vice President for Innovation. She is also an internationally renowned physician, scientist, and author of over 300 scientific papers and books.

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