



## Earth Under Siege: From Air Pollution to Global Change

By Turco, Richard P.

Oxford University Press, 2002. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!  
Summary: Each chapter ends with Questions and Problems.  
Foreword by Carl Sagan Preface Preface to the First Edition 1. Introduction 1.1. The Cronus Syndrome 1.2. On the Quality of Life 1.3. Global Change and Preservation 1.4. Methodology for Study Part I. Fundamentals 2. Air: The Medium of Change 2.1. What Is Air? 2.1.1. Sensing Air 2.1.2. The Basic Ingredients 2.1.3. The Basic Properties 2.2. A Short History of Discovery 2.2.1. The Air Revealed 2.2.2. The Mechanics of Air 2.3. The Structure of the Atmosphere 2.3.1. How Much Air Is There? 2.3.2. Temperature Profiles 2.3.3. The Stratification of the Atmosphere 2.4. Air in Motion 2.4.1. Local Winds and Weather 2.4.2. Global Wind Systems 3. Basic Physical and Chemical Principles 3.1. The Mechanical Behavior of Gases and Particles 3.1.1. Gas Laws and Hydrostatics 3.1.2. Particles in Suspension 3.1.3. Clouds and Precipitation 3.2. Radiation and Energy 3.2.1. Sunlight and Heat 3.2.2. Scattering and Absorption 3.2.3. Common Optical Effects 3.3. Chemistry and the Environment 3.3.1. Symbols and Terminology 3.3.2. Properties of Common Substances 3.3.3. The Mechanisms of Chemical Reactions 3.3.4. Basic Chemical Reactions 4. The Evolution of...



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