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Titolo	Basic science concepts and applications [[electronic resource]] : student workbook
Pubbl/distr/stampa	Denver, Colo., : American Water Works Association, 2010
ISBN	1-61300-119-3
Descrizione fisica	1 online resource (274 p.)
Collana	Principles and practices of water supply operations series
Disciplina	628.1
Soggetti	Water-supply engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	<p>""Contents""; ""Foreword""; ""Introduction: Using Your Student Workbook""; ""Mathematics""; ""Basic Math for Operators""; ""Powers and Scientific Notation""; ""Dimensional Analysis""; ""Rounding and Estimating""; ""Solving for the Unknown Value""; ""Ratios and Proportions""; ""Averages""; ""Percent""; ""Linear Measurements""; ""Area Measurements""; ""Volume Measurements""; ""Conversions""; ""Graphs and Tables""; ""Per Capita Water Use""; ""Domestic Water Use Based on Household Fixture Rates""; ""Water Use per Unit of Industrial Product Produced""; ""Average Daily Flow""</p> <p>""Surface Overflow Rate""""Weir Overflow Rate""; ""Filter Loading Rate""; ""Filter Backwash Rate""; ""Mudball Calculation""; ""Detention Time""; ""Well Problems""; ""Hydraulics""; ""Density and Specific Gravity""; ""Pressure and Force""; ""Piezometric Surface and Hydraulic Grade Line""; ""Head""; ""Head Loss""; ""Pumping Problems""; ""Flow Rate Problems""; ""Thrust Control""; ""Chemistry""; ""The Structure of Matter""; ""The Classification of Matter""; ""Valence, Chemical Formulas, and Chemical Equations""; ""Solutions""; ""Acids, Bases, and Salts""; ""Chemistry of Treatment Processes""</p> <p>""Chemical Dosage Problems""""Electricity""; ""Electricity, Magnetism, and Electrical Measurements""; ""Electrical Quantities and Terms""; ""Functions and Ratings of Electrical Equipment""; ""Sample Plant Diagrams and Questions Ion Exchange and Limea€?Soda Ash Softening Plants""</p>

