

<<化学化工专业英语>>

图书基本信息

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作者：孙乃有、曹克广

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### 内容概要

《普通高等教育“十五”国家级规划教材：化学化工专业英语》由五个单元内容组成：第一单元是化学基础知识；第二单元是化工基本原理；第三单元是化学工业与技术；第四单元是相关知识；第五单元是化工产品与检测。

每个单元均由4组（第五单元为2组）课文与阅读材料构成并配有相应的习题、短文翻译，书后附有练习答案与参考译文。

适用于高职高专院校和其他院校化学、化工类专业及其相关专业的专业英语教材，也可作为有关工程技术人员参考用书。

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书籍目录

UNIT 1 BASIC KNOWLEDGE OF CHEMISTRY Lesson 1 Acid, Base, and Salt Reading Material : Names, Symbols, and Atomic Numbers / Masses of the Elements Lesson 2 Naming Organic Compounds Reading Material : About Temperature Lesson 3 Catalyst and Catalysis Reading Material : Chemistry and Chemical Engineering Lesson 4 Re-Crystallization Techniques Reading Material : Laboratory Hazards, Safety, and Prevention

UNIT 2 FUNDAMENTAL PRINCIPLES OF CHEMICAL ENGINEERING Lesson 5 Heat Transfer Reading Material : Fluids and Pumps Lesson 6 Liquid-Liquid Extraction Reading Material : Separating Mixtures Lesson 7 Distillation Reading Material : Plate Columns and Packed Columns Lesson 8 Adsorption Reading Material : Ion Exchange

UNIT 3 CHEMICAL INDUSTRY AND TECHNOLOGY Lesson 9 The Anatomy of a Chemical Manufacturing Process. Reading Material : The Fine and Specialty Chemicals Lesson 10 Haber-Bosch Process for the Production of Ammonia Reading Material : Sulfuric Acid Lesson 11 Oil Refining Reading Material : Rocket Propellants Lesson 12 Soaps and Detergents Reading Material : Synthesis of Surfactants

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UNIT 5 THE CHEMICAL PRODUCT AND ITS DETERMINATION Lesson 17 PTFE--Product Specifications Reading Material : Glycerin Lesson 18 Thin Layer Chromatography Reading Material : Analysis of Vitamin C

参考文献 练习答案与参考译文

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