

# 化学教育 (中英文)

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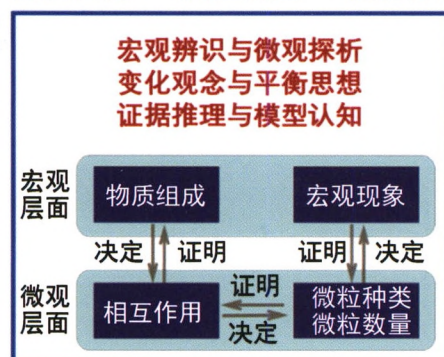
## 学科任务和问题情境

物质转化 反应调控 检验分析

### 学科认识方式

酸碱性、导电性  
反应现象  
微粒浓度  
制约关系、守恒关系  
电离、离子反应  
平衡和平衡移动  
平衡间的相互作用  
溶质、溶剂  
强、弱、非电解质

**宏观现象**  
**微粒数量**  
**微粒种类**  
**相互作用**  
**溶液组成**



### 学科能力活动

C-3 创新思维  
C-2 系统探究  
C-1 复杂推理  
B-3 简单设计  
B-2 推论预测  
B-1 分析解释  
A-3 说明论证  
A-2 概括关联  
A-1 辨识记忆

电离、离子反应、弱电解质电离平衡、  
溶液酸性、盐类水解、沉淀溶解平衡

### 核心知识

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北京师范大学

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- 化学教材中科学本质内容表征工具的评介与应用 ..... 陈少丽 黎心瑜 陈博 张瑜 陈盈希 (1)  
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