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Peter Atkins

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Conservation Law

The First Law of Thermodynamics

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The Perfect Gas

The Kinetic Theory

Real Gases

The Van Der Waals Equation

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Introduction

Solutions

Solubility

Vapour pressure of liquid solutions

Ideal and non-ideal solutions

Colligative properties

Van't Hoff factor

Thank You Bachhon!

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Introduction

Philosophy of the course

Research facilities

Tutorial system

Stretch your understanding

Teaching at Oxford

Why did you choose Oxford

Why did you choose Chemistry

What do you expect from the interview

What do you think of your course

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Partial molar property

Chemical potential

Vapor pressure

Thermodynamic activity

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1. MOLECULAR STRUCTURE 2. PRESSURE 3. TEMPERATURE

CRASH COURSE

m (MOLALITY) NUMBER OF MOLES OF SOLUTE PER KILOGRAM OF SOLVENT mol kg

PARTIAL PRESSURE

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Introduction

Internal Energy

Thermochemistry

Infinitesimal Changes

Mathematical Manipulations

Diabatic Changes

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