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CHEMICAL SUBSTANCES AND REACTIONS:
CONCEPTS OF THEORETICAL CHEMISTRY OF GENERAL INTEREST

Abstract

The main point of this work is the identity between the concept of “simple substance” and the conceptual pair “chemical substance/molecule”, at the macroscopic and microscopic level, respectively.

Two consequences result from this identity. First, the chemical substances/molecules must be used, as epistemologic basis set, for the explanation of macroscopic properties; secondly, the simple substances transform themselves and the chemical reaction rises to the top level among scientific concepts.