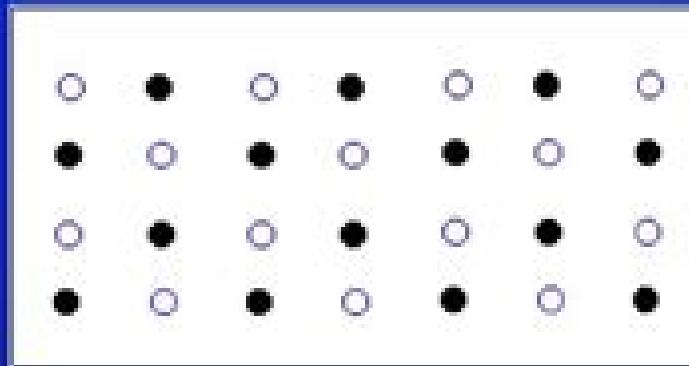


Chemistry example

This picture depicts matter at the submicroscopic level. Describe what you see and take a guess as to what the identity of the substance is.



- “The particles are well spaced out so I would guess the substance to be a gas. The substance is a gas composed of 2 elements that are in an equal ratio.”
- “After reading Chapter 1 in the book I would guess that the substance is water in the form of a solid because the atoms are in order. However, I could be wrong because I think the atoms in a solid might be closer together.”

Chapter 17 Elements Of Chemistry Submicroscopic Thinking

Iztok Devetak, Saša Aleksij Glažar

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General Chemistry: Experiment and Theory Richard H. Eastman,1970 *Chemistry* John S. Phillips, Cheryl Wistrom,2000 **Learning with Understanding in the Chemistry Classroom** Iztok Devetak, Saša Aleksić Glažar,2014-01-14 This volume offers a critical examination of a variety of conceptual approaches to teaching and learning chemistry in the school classroom Presenting up to date research and theory and featuring contributions by respected academics on several continents it explores ways of making knowledge meaningful and relevant to students as well as strategies for effectively communicating the core concepts essential for developing a robust understanding of the subject Structured in three sections the contents deal first with teaching and learning chemistry discussing general issues and pedagogical strategies using macro sub micro and symbolic representations of chemical concepts Researchers also describe new and productive teaching strategies The second section examines specific approaches that foster learning with understanding focusing on techniques such as cooperative learning presentations laboratory activities multimedia simulations and role playing in forensic chemistry classes The final part of the book details learner centered active chemistry learning methods active computer aided learning and trainee chemistry teachers use of student centered learning during their pre service education Comprehensive and highly relevant this new publication makes a significant contribution to the continuing task of making chemistry classes engaging and effective Integrated Principles of Zoology Cleveland Pendleton Hickman,1970 *Acta Biochimica Et Biophysica* ,1972 **B.A.S.I.C.** ,1966 *Subject Guide to Books in Print* ,1971

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