

Matter and energy- what do preschool teachers know about it?

Siporska Agnieszka², Chrzanowski Marcin M.², Nodzyńska-Moroń Małgorzata³

1 - Faculty of Chemistry, University of Warsaw, Warszawa, Poland

2 - Faculty of Biology, University of Warsaw, Warszawa, Poland

3 - Department of Chemistry, University of West Bohemia in Pilsen, Pilsen, Czech Republic

Abstract

Teachers of preschool education carry out only several dozen hours of classes related to the issues of natural sciences in the university education cycle. However, it is the kindergarten that can be and is the place to acquire the basics of reliable natural knowledge, but also to create erroneous beliefs of children about how matter is built and how it circulates in ecosystems, and about the flow of energy, which is difficult to eradicate in the future. This topic is extremely important for understanding more complex issues related to anthropopressure and global environmental problems. The knowledge and attitudes of 100 preschool teachers were examined in the field of issues related to the structure of matter, energy, its transformations and the use of various fuels.

Keywords

matter, energy, kindergarten, teachers, training