

THE LEVELS OF HIGH SCHOOL STUDENTS' ABILITY TO ASSOCIATE BIOLOGY KNOWLEDGE WITH THE EVENTS IN DAILY LIFE

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Abstract

The aim of this study is to determine the level of high school students' ability to relate the biology knowledge they have learned in school to daily life events. It is survey study. Two of five Anatolian high schools in Kars were randomly selected as the sample of the study. A total of 131 high school students from grades 10, 11, and 12 of these two schools were included in the study. The association of biology knowledge with the events in daily life knowledge test (GYIT) prepared by the researcher was implemented to the sample. The questions in the GYIT include seven daily life samples including diffusion and osmosis. By using open-ended questions students were asked to explain how the incident occurred. As a result of the study, it has been observed that, in general, students have inadequate knowledge to associate diffusion and osmosis with daily life events. When we look at students' responses, students know what the events but cannot explain it biologically. The remarkable results obtained in this study are also discussed.

Keywords: Biology education, daily life, high school student.