

## THE EVALUATION OF GRAPHS DRAWN FOR P - 1/V, P-t, V-n BY UNIVERSITY STUDENTS

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### Abstract

Mathematical abilities of students gain significance in terms of chemistry education which possesses interdisciplinary relationships. A reflection of this situation is seen in the instruction of the subject of gases. Drawing graphs and commenting on them constitutes a considerable part of teaching of this subject as well as theoretical knowledge and daily life applications. The aim of the conducted study is to reveal the ability of university first year Science Teaching Program students evaluate the graphs related to gas laws about P - 1/V, P-t, V-n and how their abilities change after the instruction of the subject. At this respect, a weak experimental study was conducted with 30 students. Data was collected with the help of a test which involved three different graphs prepared by the researchers and analyzed by means of quantitative methods. The findings of the study have been discussed in the light of the related literature.

**Keywords:** Chemistry education, university students, gas laws.