

Barriers to the Study of Scientific Subjects and Level of Knowledge of Basic Chemistry

ADULT LEARNERS' CASE STUDY

Adult Learner's Case Study N.: 9

Name: *HP, Male, Age 23, Athens area, Teacher (Primary school)*

Description of the Case Study

Reasons of the decision not to continue studying scientific subjects: *Easier to find a job as a primary education teacher.*

Main difficulties in scientific subject learning at school: *Not enough teaching hours. Difficulty in comprehending the concepts. Students were not allowed to perform experiments on their own.*

Self evaluation of knowledge of chemistry: *Fair.*

Evaluation of the scientific information provided by the media: *No difficulties in comprehending scientific information provided by the media.*

Perception of the word "Chemical": *The word chemical is associated with chemical reactions.*

Result of the basic chemistry test: *105. The mass doesn't change. You sum the weight of the water (100 grams) and the salt (5 grams).*

The characteristic scent is made of material particles and that's why it could be dangerous. If it was made of immaterial particles it wouldn't exist.

As an example of a pure substance in the solid state, he referred to salt (sodium chloride).

As an example of a pure substance in the liquid state, he referred to water.

As an example of a pure substance in the gaseous state, he referred to oxygen.