

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

ADULT LEARNERS' CASE STUDY

Adult Learner's Case Study N.: 5

Name: *NX, Female, Age 45, Athens area, Secondary school teacher of Classic*

Description of the Case Study

Reasons of the decision not to continue studying scientific subjects: *She doubt if her reading efforts concerning science met with success.*

Main difficulties in scientific subject learning at school: *She did not have any difficulty in Chemistry.*

Self evaluation of knowledge of chemistry: *Fair to poor*

Evaluation of the scientific information provided by the media: *In most cases, scientific information provided by the media is comprehensible.*

Perception of the word "Chemical": *The word "Chemical" is associated with something that it is opposite of the natural and it creates an emotion of fear to her.*

Result of the basic chemistry test: *The weight of solution is 100 grams, because it became homogeneous mixture.*

The characteristic scent is made of material particles. The perfume is liquid originally, then it is evaporated.

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

As an example of a pure substance in the liquid state, she referred to water (compound).

As an example of a pure substance in the gaseous state, she referred to hydrogen, and to oxygen (element).