

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

### ADULT LEARNERS' CASE STUDY

#### Adult Learner's Case Study N.: 7

Name: *PV, Female, Age 24, Zakynthos island, Primary school teacher*

#### Description of the Case Study

Reasons of the decision not to continue studying scientific subjects: *Orientation for classical studies*

Main difficulties in scientific subject learning at school: *Lack of basic requisites and the scientific language used by teacher.*

Self evaluation of knowledge of chemistry: *Poor*

Evaluation of the scientific information provided by the media: *If scientific information provided by the media includes basic knowledge it is comprehensible.*

Perception of the word "Chemical": *The word "Chemical" is associated with a form of energy and with a chemical substance.*

Result of the basic chemistry test: *The weight of solution is 100 grams, because the salt is dissolved.*

*The characteristic scent is made maybe of immaterial, maybe of material particles; in any case the microscopic particles are not observable.*

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

*As an example of a pure substance in the liquid state, she referred to chlorine.*

*As an example of a pure substance in the gaseous state, she referred to carbon dioxide.*