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## 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:

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#### Description of the Case Study

Reasons of the decision not to continue studying scientific subjects: *I have been working since I was 18. My job demands a lot of responsibility and I have no opportunity to be off work. This is why I missed the opportunity to continue my education at university level after I finished my secondary school*

Main difficulties in scientific subject learning at school: *lack of basic laboratory techniques and requisites*

Self evaluation of knowledge of chemistry: *fair*

Evaluation of the scientific information provided by the media: *I meet my scientific information needs by internet or consult teachers. The information provided by the media is inadequate and too often is incomprehensible. The use of more visuals available to all ages is highly recommendable.*

Perception of the word "Chemical": *„chemical” → chemical workshop*

Result of the basic chemistry test: *If you melt 5 grams of salt in 100 grams of water, the solution obtained will weigh: 100 grams. We sometimes perceive the presence of some substances through the sense of smell, as they give off a characteristic scent. Do you think it is made of material or immaterial particles? (Please justify your answer). No answer. Can you think of an example of a pure substance in solid state? No answer. Can you think of an example of a pure substance in liquid state? No answer. Can you think of an example of a pure substance in gaseous state? No answer*