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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. 7:

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#### Description of the Case Study

Reasons of the decision not to continue studying scientific subjects: *I was not admitted to the university I desired study at. Later I gave up university studies because of financial problems*

Main difficulties in scientific subject learning at school: *Chemistry is a subject that does not lend itself easily to studying, however, chemical experiments are very interesting. At school there was always lack of basic laboratory materials yet even the elementary experiments that we used to make were interesting to me*

Self evaluation of knowledge of chemistry: *Unsatisfactory. Over time I have forgotten a lot from what I was taught at school*

Evaluation of the scientific information provided by the media: *If any scientific problem becomes a point of interest to me I would rather refer to persons who are competent in the respective area. I do not think that media can meet the needs of special information including chemistry*

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

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. Salt solves in the water and does not influence the solution weight. 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). Due to material particles. During interaction of various materials their particles mix together. Can you think of an example of a pure substance in solid state? Iron. Can you think of an example of a pure substance in liquid state? Water. Can you think of an example of a pure substance in gaseous state? Oxygen.*