

## LESSON 1: GETTING TO KNOW EACH OTHER / STUDYING CHEMISTRY AT UNIVERSITY

**I.** Make 5 wh... questions that you would like to ask / you would like to know about someone you see for the first time. You can also think about questions that you would like to ask your new teacher.

**II.** Studying at university - in pairs exchange any information you have about Masaryk University (faculties, halls of residence, famous students, famous/strict teachers/lecturers, gossips about most difficult/easiest subjects, etc.)

**III.** There are nine faculties at MU, can you name them? Which faculty deals with chemistry studies? In which two departments can you study?

**IV.** On the strips of paper there are names of courses/fields of study within the two departments mentioned above. Put them into two columns. Which course are you enrolled on?

**V.** Look at the list of some subjects (1-7) you can study when you take one of the courses above. Match them with their descriptions (a-g)

1. General Chemistry/ Fundamentals of Chemistry
2. Inorganic Chemistry
3. Organic Chemistry
4. Analytical Chemistry
5. Environmental Chemistry
6. Chemical Engineering
7. Physical Chemistry

- a. aspects of the structure and chemistry of the hydrosphere, atmosphere and lithosphere; sources, chemistry and impact of environmental pollution; energy resources (fossil fuels, nuclear and solar) & the impact of energy utilisation;
- b. the nature of matter, solutions & gases; the chemical change related to equilibrium, energy and kinetics, and the nature of redox process;
- c. the study of all the elements and their compounds with the exception of carbon and its compounds; chemistry of materials from non-biological origins;
- d. practical application to solve problems, usually in industry; design, construction and operation of machines and plants that perform chemical reactions to solve practical problems or make useful products;
- e. (most often) applying thermodynamics and quantum mechanics to analyze chemistry;
- f. the identification of compounds & mixtures (qualitative analysis) or the determination of the proportions of the constituents (quantitative analysis);
- g. the study of carbon and its reactions

**VI.** Read through the incomplete script of the listening about Libor Novák, and try to guess the missing words. Next listen to the recording and check whether your guesses were right.

Hello. My name is Libor Novák and I come from Jeseník, a small town with a population of about 10,000, in the mountains of northern Moravia but I'm ..... living and studying in Brno. I study chemistry at the Faculty of ....., which is very ..... but I am enjoying the challenge. I'm in the second year of a five year ..... which means that next year I'll be able to start ..... by choosing ..... in those areas which interest me most.

Before coming here I attended the ..... school in Jeseník where my favourite subjects were Mathematics and Chemistry. On the other hand, I found languages more difficult and had to put in a lot of extra work to ..... my school leaving .....

At the moment I am living in the halls of ..... in Komárov although next year I will have to leave and find a place to stay privately since there are not enough rooms for all the students who want them. I ..... a double room with another student from Jihlava called Radek Kašpar who studies ..... He would have studied ..... if it had been possible but he didn't get a high enough ..... in his ..... exams. (H. Němcová)

**VII.** Using vocabulary and structures from previous exercises prepare a short talk about yourself. Use the phrases below to help you.

Hello. My name is ..... and I come from .....  
I'm currently living and studying in .....  
I'm studying ..... at ..... University at the Faculty of .....  
My field of study / major is .....  
I'm in the ..... year of a ..... year course.  
At the end of my course I would like to ..... would like to get a ..... Degree (Master's / Bachelor's / Doctoral – Ph.D.).  
I started my course/studies in ..... (e.g. end of September).  
In the ..... year I'll be able to start specializing by choosing options in those areas which interest me most.  
In the future I would like to specialize in .....  
I'm attending (some) lectures / seminars in .....  
My favorite subject so far is .....  
Before coming here I attended the grammar school / technical college in ..... where my favourite subjects were .....  
I passed my school-leaving exams from .....  
At the moment I am living in the halls of residence / a flat / a family house in .....

I share a room / flat with ..... who studies .....  
In my future I would like to ..... In my free time I .....

(A. Rozkošná)

### VIII. Admission to universities in Britain.

Listen to the recording and then decide which of the statements are true and which are false (T/F). Compare it with the Czech system.

- a) Each university has a separate entrance exam. T/F
- b) National school – leaving exams are called A levels in Britain. T/F
- c) The students choose the universities and the courses they are interested in by looking  
at prospectuses. T/F
- d) The prospectuses are available only in the school careers offices. T/F
- e) UCCA stands for Universities Central Council on Admissions. T/F
- f) The students apply directly to the universities themselves. T/F
- g) You can apply for admission to more than 5 universities. T/F
- h) The academic year starts in September. T/F
- i) The students can send only one UCCA form per semester T/F
- j) The universities offer a stable place or a conditional one T/F

(H. Němcová)

### GRAMMAR REVISION - forming questions

I. Transform the T/F statements above into questions, and then give short answers to these questions, e.g.: *Does each university have a separate entrance exam?*

*Yes, it does / No it doesn't*

II. Transform your yes/no questions into specific questions, asking about the underlined part of the sentence

III. Transform your specific questions, putting in front of them phrases: *Do you know...? / Can you tell me...? / I wonder... / I would like to know...*

### HOMEWORK

Translate all new words and phrases