

Questionnaire

In year ____ of chemistry

Age: _____

Gender: female male

Nationality: _____

Expectations (pre-chemistry classes)

- 1. If you were allowed to drop science, what would you do?**
 I'd do it No, I wouldn't
- 2. What do you expect from chemistry lessons to be?**
 Theoretic (reading texts, doing worksheets, problem solving...)
 Practical (experiments, excursions, simulation games, researches...)
- 3. I expect chemistry to be complicated:**
 I totally agree
 I agree
 Disagree
 I totally disagree
- 4. I would like science more if classes had a variety of methods: research, internet, excursions, experiments, games ...**
 I totally agree
 I agree
 Disagree
 I totally disagree

For Classes with chemistry

- 1. Do you like Chemistry?** Yes No
Because it is _____ (max. two features)
- 2. If you were allowed to drop Chemistry, what would you do?**
 I'd do it No, I wouldn't
- 3. Chemistry is interesting**
 Strongly agree Agree Disagree Strongly disagree
- 4. If you had the choice: I'd elect Chemistry class because...**
 of the interest in science.
 of the dangerous chemicals. I like the risk.
 of laboratory equipment which I like.
 of the research. It is interesting.
 of my future plans (to study chemistry, pharmacy, medicine etc.).

5. **Chemistry is too complicated: (1 agree; 6 don't agree)**

1	2	3	4	5	6
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If you choose 1, 2, 3: why is chemistry too complicated?

- Because I don't understand the formula
- Because I can't imagine how atoms could exist or work (because we can't see or watch them)
- Because I can't remember so much information
- Because I can't distinguish different chemicals
- Other _____

If you choose 4, 5, 6: why isn't chemistry complicated?

- Because there is a relation (is linked) to everyday life
- Because there are only similarities to other subjects
- Because it is important for my future
- Because I simply like it
- Other _____

6. **Chemistry is interesting because the lessons aren't as boring as other subjects due to the relation to everyday life shown in experiments**

- Strongly agree Agree Disagree Strongly disagree

7. **Do you think chemistry will be very useful for your future?** Yes No

8. **I don't think I will be successful in chemistry:**

- Totally agree Agree Disagree Totally disagree

9. **I would be more interested in science subjects if there were more experiments.**

- Totally agree Agree Disagree Totally disagree

5. **Have your expectations been fulfilled in your chemistry lessons? (high classes)**

- Totally agree Agree Disagree Totally disagree

6. **I choose chemistry because of my teacher (high classes)**

- Totally agree Agree Disagree Totally disagree