

## Appendix 6A: FIRST YEAR CHEMISTRY, UNIVERSITY OF SYDNEY Questionnaire

Please tick the appropriate box for each question

1. Are you female  male
2. Are you full-time  part-time
3. Your age range is 17-20  21-24  >24
4. Are you an international student? Yes  No
5. Is English your first language at home? Yes  No
6. In which Faculty or College are you enrolled at The University of Sydney?  

Science	<input type="checkbox"/>	Law	<input type="checkbox"/>
Pharmacy	<input type="checkbox"/>	Engineering	<input type="checkbox"/>
Arts	<input type="checkbox"/>	Economics and	
Education	<input type="checkbox"/>	Business	<input type="checkbox"/>
7. Did you complete Chemistry at HSC (Year 12) level or equivalent?  
Yes  No

### Thoughts on using ChemCAL

The approximate number of times I have used ChemCAL this year is (please circle one)  
**0 times      1-5 times      6-10 times      10+ times**

8a. If you have circled '0 times', please indicate why you have not chosen to use ChemCAL: \_\_\_\_\_

---

**Thank you. If you have not used ChemCAL you do not need to answer any further questions. Thank you – please drop your questionnaire into the box.**

8b. If you have used ChemCAL, please respond to the following:

This section gives you the opportunity to tell us **what you think and how you feel about using ChemCAL for the study of chemistry** specifically. *Please complete the questions carefully by circling the number that most closely corresponds with the answer to each statement.* For example if you strongly agree with the statement "The step-by-step approach used to explain concepts in ChemCAL is an advantage over textbooks", circle 5.

	Thinking of using ChemCAL at university so far...	Strongly Disagree	Disagree	Unsure	Agree	Strongly Agree
1.	The step-by-step approach used to explain concepts in ChemCAL is an advantage over textbooks	1	2	3	4	5
2.	If I miss important information in ChemCAL, the choice to go back over it is valuable	1	2	3	4	5
3.	Using ChemCAL means I can manipulate material to help my learning in a way not possible with other means	1	2	3	4	5
4.	The ability to rotate three dimensional objects in ChemCAL allows for better understanding than just using two dimensional images from classes and textbooks	1	2	3	4	5
5.	ChemCAL provides me with useful feedback on my understanding of Chemistry	1	2	3	4	5
6.	The individual feedback provided by ChemCAL has improved my learning	1	2	3	4	5

9. I use ChemCAL off-campus Yes  No

If Yes, please respond to the two statements below before answering the rest of the questions. If No, please go on to question 10.

	Thinking of using ChemCAL off-campus	Strongly Disagree	Disagree	Unsure	Agree	Strongly Agree
1.	I often experience technical problems with accessing ChemCAL off-campus	1	2	3	4	5
2.	When I access ChemCAL off-campus, it is so slow that I lose interest	1	2	3	4	5

10. Please answer the following questions based on your experience of ChemCAL:

a) For me, the most useful aspects of ChemCAL are

\_\_\_\_\_

because \_\_\_\_\_

b) For me, the least useful aspects of ChemCAL are

\_\_\_\_\_

because \_\_\_\_\_

c) The thing I would change about ChemCAL, if I could, would be

\_\_\_\_\_