

Appendix 1: SALG Instrument

Student Assessment of their Learning Gains

Instructions:

Please fill in one box only for the following statements corresponding to the scale indicated by completely filling the circle ● with a blue or black ballpoint pen.

Active Learning

HOW MUCH did each of the following aspects of the class HELP YOUR LEARNING?

	No help	A little help	Moderate help	Much help	Great help
1 Attending class	1	2	3	4	5
2 The pace of class	1	2	3	4	5
3 Working with peers	1	2	3	4	5
4 Working with peers outside the class	1	2	3	4	5
5 Explanation of instructor for involving small groups	1	2	3	4	5
6 Explanation of why the class focus on topics presented	1	2	3	4	5
7 Participating in class discussions during class	1	2	3	4	5
8 Listening to discussions	1	2	3	4	5
9 Participating in group work during class	1	2	3	4	5
10 Class activities help learning	1	2	3	4	5
11 The number and spacing of tests	1	2	3	4	5
12 The feedback on my work received during and after tutorials	1	2	3	4	5
13 Connecting key ideas to other knowledge	1	2	3	4	5
14 Confidence that you understand the material	1	2	3	4	5
15 <i>Grading system what I need to work</i>	1	2	3	4	5
16 Comfort level in working complex ideas	1	2	3	4	5
17 Confidence in ability to do POGIL activities	1	2	3	4	5
18 <i>Willingness to seek help from others (instructor, peers, tutor) when working on academic problems</i>	1	2	3	4	5

Concept Learning

As a result of your work in this class, what GAINS DID YOU MAKE in your UNDERSTANDING of each of the following?

19 SN1 SN2 reaction mechanism	1	2	3	4	5
20 Distinguishing different types of isomers	1	2	3	4	5
21 Classifying compounds as chiral/achiral	1	2	3	4	5
22 Identifying StereoCentres in molecules	1	2	3	4	5
23 Attractive forces between molecules and effect on physical properties	1	2	3	4	5
24 Applying curved arrow conventions to describe bond forming and bond breaking processes	1	2	3	4	5
25 The reactions of alkyl halides and nucleophilic substitutions	1	2	3	4	5

Resources

HOW MUCH did each of the following aspects of the class HELP YOUR LEARNING?

26 Mini lectures posted on the Blackboard	1	2	3	4	5
27 Pencasts posted on the Blackboard	1	2	3	4	5
28 Pencasts solutions homework problems	1	2	3	4	5
29 Clickers during instruction	1	2	3	4	5

Process Skills

As a result of your work in this class, what GAINS DID YOU MAKE in the following SKILLS?

30 Identifying patterns in data	1	2	3	4	5
31 Recognizing a sound argument and appropriate use of evidence	1	2	3	4	5
32 Developing a logical argument	1	2	3	4	5