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?

1. Attending class
2. The pace of class
3. Working with peers
4. Working with peers outside the class
5. Explanation of instructor for involving small groups
6. Explanation of why the class focus on topics presented
7. Participating in class discussions during class
8. Listening to discussions
9. Participating in group work during class
10. Class activities help learning
11. The number and spacing of tests
12. The feedback on my work received during and after tutorials
13. Connecting key ideas to other knowledge
14. Confidence that you understand the material
15. Grading system what I need to work
16. Comfort level in working complex ideas
17. Confidence in ability to do POGIL activities
18. Willingness to seek help from others (instructor, peers, tutor) when working on academic problems

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

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

26. Mini lectures posted on the Blackboard
27. Pencasts posted on the Blackboard
28. Pencasts solutions homework problems
29. Clickers during instruction

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
31. Recognizing a sound argument and appropriate use of evidence
32. Developing a logical argument