

APPENDIX B: Student Roles in Group Work

Teacher Note: The roles listed below can be adjusted and/or combined as needed for the group being taught and the number of students in each group.

You are all team members with different roles. For Your team to be successful, complete our lab correctly and on time, you must work together and listen to each other. For each lab, take on a different role. Remember that all group members must participate with the observations, discussion of the results and answering the questions.

- Student 1, Group Manager: Is responsible for keeping group members on task and reminds them to stay with the group, giving positive feedback to all members, and ensuring that the work is done in the time given. If there are any problems with group members, this person must report to the teacher. All group members must participate in the observations, discussion of results, and answering questions.
- Student 2, Materials Technician: Is responsible for reading over the materials list and understanding what is needed and where. All group members will help in the collection of the materials and measured correctly, but before the lab begins, this person will double check that items are correct, and chemicals measured correctly. Once the lab is over, this person will ensure that all lab members are helping to clean up, and the materials are put away correctly. All group members must participate in the observations, discussion of results, and answering questions.
- Student 3, Safety Coordinator: Is responsible for looking carefully at the materials list and warns group members about any safety issues or concerns. This includes concerns with heat, glass, fooling around, chemicals, and safety equipment, etc. For example: If goggles need to be worn, this person reminds group members to keep them on at all times. Knowing where the MSDS sheets are located, where the broom for broken glass and waste is, and chemical waste disposal locations are important. If something happens, it is this person who reports to the teacher. All group members must participate in the observations, discussion of results, and answering questions.
- Student 4, Procedure Analyst: Is responsible for correctly following the procedure. This member will read the procedure several times (2-3 times), and asks the teacher for clarity if unsure about a step. When the lab begins, this person reads the procedure to the group, and makes sure that the group members are doing exactly what they are supposed to be doing. All group members must participate in the observations, discussion of results, and answering questions.
- Student 5, Data Recorder: Is responsible for writing down the needed information for this lab to be complete. Depending on the lab, this may include the hypothesis, the observed results, and making sure that the questions are answered once they have been discussed by all the group members. This person must double check that all information is complete before the group cleans up or moves to the next lab. All group members must participate in the observations, discussion of results, and answering questions.