

LAB: LEGO

Students: Please read the following information given on the powerpoint, and then add to your lab notebooks to complete the LEGO experiment.

1) Date, 2) Partner, 3) Title, 4) Purpose, 5) Materials, 6) Safety, 7) Diagram (postlab), 8) Procedures, and 9) Data Table.

NOTES: Questions on the last 2 pages need to be copied or printed out and will be turned in after completion of the experiment. (1 week after lab was performed)

Each group will be given two bags of plastic interlocking blocks. Use one of the bags to build a structure. You should use all of the pieces in the bag. Your goal is to complete a pre-lab, keeping in mind to develop procedures for assembling the unique structure you have made. The procedures that you develop should be written so that other students can read them and use them to assemble a structure identical to your original model. You may use pictures, diagrams, and arrows to illustrate your procedures at each step.

Your procedures should be outlined as discrete steps, and you should avoid using specialized and technical terms that would be unfamiliar to a majority of students in the class. You will be given 10 minutes to write your procedures and then you will give your notebook and other bag to another group. Each group will have 10 minutes to assemble the new structure by following the procedures that they were given.

Name _____
Period _____

Date _____
Lab Group # _____

Lego Lab

Procedures: State or summarize the procedures you and you lab partner(s) developed to create your structure. Can be done in a list format.

Data/Observations: State or summarize the observations you and your lab partner(s) made in attempting to create another lab group's structure. Can be done in a list format.

Name _____
Period _____

Date _____
Lab Group # _____

Lego Lab

Questions:

1. Describe how you developed your set of instructions.
2. Describe how you used the instructions that were given to you.
3. Did you find any problems with the set of instructions you were given?
If so, state them.
4. A Complete and effective set of instructions must contain what important aspects?
5. The "Procedures" are also called the "Methods" discuss why this is.
6. What is passive voice? Take one procedure from this lab and write it in active and passive voice.