

Name _____

Date _____

Period _____

Due Date: _____

Lego Lab



Why are procedures so important?

20 points total

During this activity you and your lab partner will make a unique structure from lego blocks and then write proper procedures that will enable another lab group to make the same structure.

Procedure:	Observations:
1. Open up the A and B bags and make sure that there are the same number and types of lego blocks in each bag.	Did the two bags contain the same legos? (1 pt)
2. There are two bags that contain the same legos. Use one of the bags to build any structure your heart desires. You must use all of the pieces in the bag. As you build your structure, write down detailed procedures on the next page. 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.	Make sure you use all the pieces in Bag A only .
3. Your procedures should be outlined as separate steps on the next page, 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. When you are done, hide your structure and look for another group that is ready to go on to the next step. Give your procedures and other bag (B bag) to the other group..	
4. Each group will have 10 minutes to assemble the new structure by following the procedures that they were given. Next to the procedure steps (in the gray area) write comments to the other group about their set of instructions. Give them constructive feedback.	
5. After the 10 min, meet with the group you switched with and show them your original structure to see if they were successful or not. Discuss the outcome.	Was the other group able to build your structure successfully? If not, what was the problem? (2pts) Were you able to build their structure successfully? If not, what was the problem? (2pts)
5. Go back to your station, disassemble both the A and B structures and put them into their proper bags.	
6. Now, using your own directions, try to build your structure again.	Draw your structure in this box.

Use the space provided to write down your procedures. Do not fill in the observation section (the group you switch with will fill this section in).

Procedures	Observations (draw what you have built so far)
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	

*This section
is for the
other group*

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Analysis Questions: 15 pts total

1. Describe how you developed your set of instructions. Be specific. (2pts)
2. Describe how you used the instructions that were given to you. Be specific.(2pts)
3. Did you find any problems with the set of instructions you were given? If so, state them. (3pts)
4. In general, a complete and effective set of instructions must contain what important aspects? (4pts)
5. The "Procedures" can also be called the "Methods." Discuss why this is. (4pts)

