

Team members _____ Date _____

Mass Production Cost

NASA has accepted your design and wants to have several devices on hand to avoid any further delays in the future. Based on the material used by your team create a list of materials, amounts used, and prices for a single device. Now compute the cost for 5, 10, 25, and 100 devices. Your material supplier will reduce your cost by 15% if you make 100 devices. How much can you save with this 15% discount on the 100 pieces? How much is this per piece? Do not round numbers until the total cost.

Each group needs:

- 14 - 10 mL oral syringes, box of 100 – \$20.67
- 7 - 30 cm length pieces of aquarium tubing, 7 meters – \$4.99
- 20 - Popsicle sticks, 1 box -1,000 sticks \$3.69
- 5 - Rubber bands, 5 cents each
- 1 - 1 meter of Duct tape, \$5.00 a roll contains 10 meters

Number of Devices	1	5	10	25	100
Total Cost					
15% Discount					