Rockets on a Shoestring Budget Activity –
Trial Data Worksheet

**Pop Rocket Design Trial**

Check the boxes for the material choices you made for your trial budget:

- Normal Paper
- Construction Paper
- Scotch Tape
- Masking Tape
- Crushed Antacid
- Solid Antacid
- Hot Water
- Cold Water

How many Blast-Off Bucks did you have left over? _______ (may be zero)

Height reached on first launch (in feet): ______________

1. Describe what happened during your launch:

   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________

2. After watching all the trial rocket launches, what ideas do you have for improving your design? Write down at least two:

   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
Height reached on second launch (in feet): ______________

3. Describe what happened during your final launch? Did the rocket improve?
______________________________________________
______________________________________________
______________________________________________
______________________________________________
______________________________________________

4. If you had more Blast-Off Bucks, would the rocket have gone higher? Why?
______________________________________________
______________________________________________
______________________________________________
______________________________________________
______________________________________________

Final Recommendation

Based on your results and the results you observed from the other teams, what combination of materials would you recommend for a successful and profitable rocket?