

Rockets Data Log

Student Names

Liquid Fuel

Choose the amount of liquid fuel (water) you would like to use. (4mL-10mL limit)

_____ mL

Solid Fuel

Choose the amount of solid fuel (effervescent tablet) you would like to use. ($\frac{1}{4}$ tablet to no more than 1 tablet)

_____ g

Be sure to repeat your experiment three times. Share your average with the class.

Data Sheet

Trial	Liquid Fuel (mL)	Solid Fuel (g)	Proportion (Solid Fuel/Liquid Fuel, g/mL)	Height (m)
1				
2				
3				
Average				

Extension

Once the class has determined the best proportions of liquid fuel to solid fuel to maximize the height of your rocket, you may experiment with another variable- the tablet. Some options are solid (just broken tablet), crushed, or broken into small pieces.