

Mini Rockets

PLAN YOUR FAIR TEST · WORKING SCIENTIFICALLY

NAME _____

GROUP _____

DATE _____

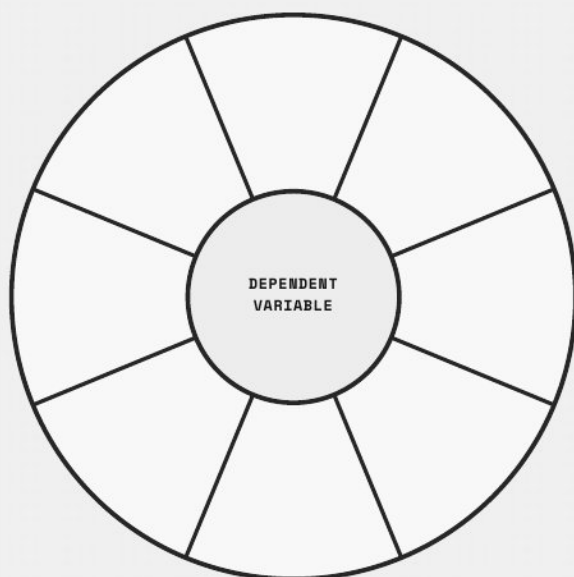
1 What is the "best" rocket?

Everyone wants the highest launch — but you have to decide what "best" means and how you'll measure it. This is your dependent variable.

The "best" rocket is the one that...

I will measure _____ in units of _____. I will stop measuring when...

2 Plan it on the variable wheel



- 1 Write what you're measuring — your **dependent variable** — in the centre circle.
- 2 Around the outside, write **everything that could affect it** (vinegar, bicarb, canister, water, temperature, fins...).
- 3 Choose **one** factor to investigate — your **independent variable**. Colour that segment in.
- 4 Every other segment is a **control variable**. You must keep each one the **same** every launch.

FAIR TEST

Change one thing (independent), measure one thing (dependent), keep the rest the same (control).

3 My variables

INDEPENDENT VARIABLE · I WILL CHANGE

VALUES / RANGE I WILL TEST

DEPENDENT VARIABLE · I WILL MEASURE

UNITS

Control variables — the things I must keep the same, and how I'll do it:

KEEP THE SAME	HOW I'LL CONTROL IT

4 Write a method anyone can follow

1	2	3
4	5	6

5 Results & conclusion

INDEPENDENT VARIABLE ()	TRIAL 1	TRIAL 2	TRIAL 3	MEAN

What did you find? The best launch used... and the trend in my results was...
