

Planning a Fair Test

Plan it like a scientist

A fair test changes one thing, measures one thing, and keeps everything else the same. Use this sheet to plan your own fair test like a scientist.

Remember: change **one** variable only. If you change two things at once, you won't know which one made the difference.

Q1. Choose one of these questions to plan (or use your own):

- Does a paper plane fly further if the wings are wider?
- Does a plant grow taller with more sunlight?
- Does a ball bounce higher when dropped from higher up?

My question: _____

Q2. Plan your fair test in the table.

Part of the plan	My answer
The one thing I will CHANGE (variable)	
What I will MEASURE	
Things I will KEEP THE SAME (controlled variables)	

Q3. Write a prediction. Use the words "I think... because...".

Q4. Swap with a partner. Is their test fair? Did they keep everything the same except one thing? Write one helpful comment.
