

Gravity, falling and air resistance: the spinner fair test

energy-forces

What you need: plain A4 paper for spinners (pupils rule and cut their own) · round-tip scissors · metal paperclip · metre stick or wall height mark · stopwatch or phone timer · ready-made paper spinner and matching crumpled paper ball (teacher demo) · Investigation Journal page

Words to use

Air resistance · Gravity · Fair test

Our question

Does wing length change how long a paper spinner takes to fall?

I predict...because...

Sort these words into Change, Measure and Keep the same

wing length · fall time · drop height · the paper · the paperclip

Change – the ONE thing we change

Measure – the ONE thing we measure

Keep the same – to make it fair

Our results

What we changed	What we measured

What I found out
