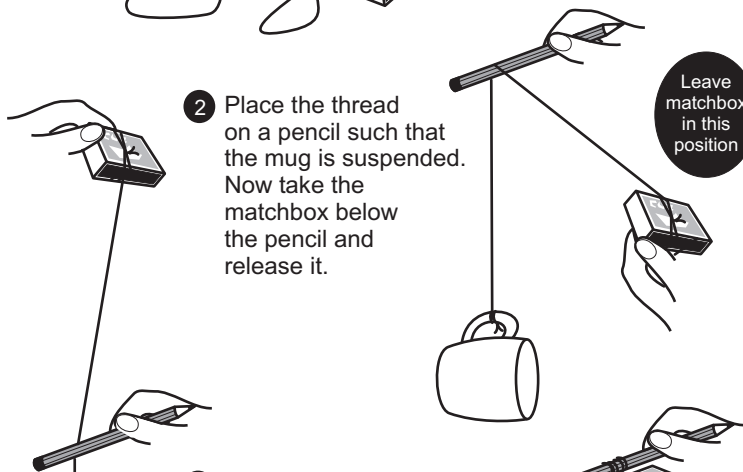


Get Going Mug

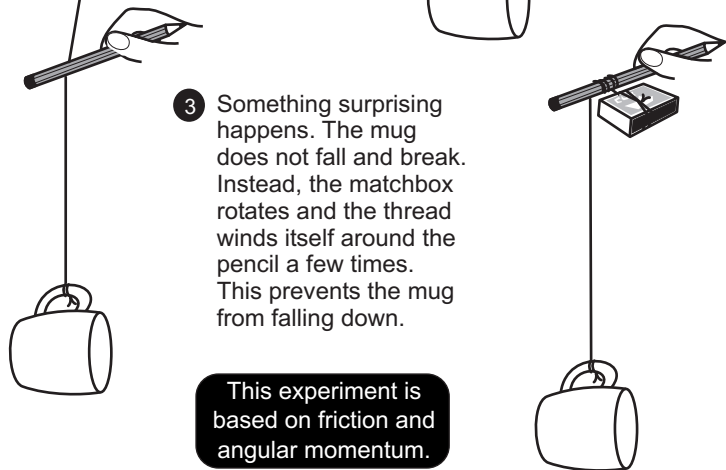


1 Tie a mug and a matchbox to the two ends of a 1.5-m long thread.



2 Place the thread on a pencil such that the mug is suspended. Now take the matchbox below the pencil and release it.

Leave matchbox in this position



3 Something surprising happens. The mug does not fall and break. Instead, the matchbox rotates and the thread winds itself around the pencil a few times. This prevents the mug from falling down.

This experiment is based on friction and angular momentum.