

Mateo y Cientina

THIS WEEK: PARACHUTES!

WHAT ARE YOU DOING, CIENTINA?

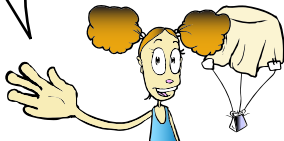
I'M TRYING TO DROP THESE TWO BINDER CLIPS AT THE SAME TIME, SO ONE FALLS MORE SLOWLY THAN THE OTHER. I'M MAKING A PARACHUTE TO SLOW ONE DOWN.



IT WORKED!



LET'S TRY DIFFERENT KINDS OF PARACHUTES. WE CAN CUT THE COFFEE FILTER TO CHANGE THE SHAPE, USE MORE THAN ONE PARACHUTE, CUT HOLES IN THE CHUTE, OR MAKE A STACK OF FILTERS ON TOP OF EACH OTHER.

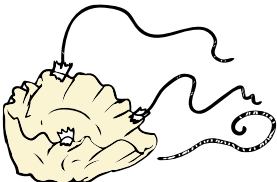



HEY TÍA, I BET YOU WOULDN'T NEED A PARACHUTE IF YOU FELL, 'CAUSE YOUR HAIR WOULD PROBABLY CATCH THE AIR LIKE A PARACHUTE.

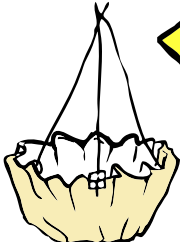


VERY FUNNY! I DON'T THINK I'LL BE TESTING THAT IDEA.



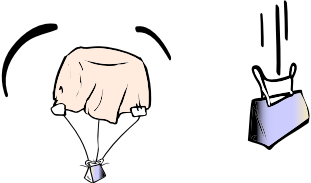
You need a coffee filter and 3 strings. Tape the 3 strings to the inside of the coffee filter. Try to space them evenly around the edge.

Hold the un-taped ends of the strings together so the coffee filter hangs down underneath like a basket. Use one of the small binder clips to clip the un-taped string ends together.

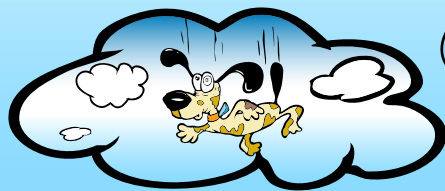




Now we hold the two binder clips at the same height and drop them at the same time to see if the one with the parachute falls more slowly.



SO WHAT?

Air resistance slows things down as they fall. The parachute catches more air and slows down the fall of the binder clip. It falls more slowly because there is more air resistance.



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