



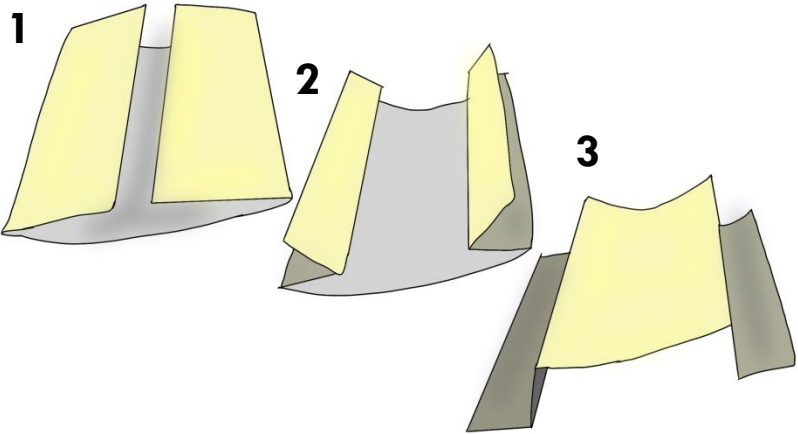
Take off/Stay on the ground?

Lighter airplanes take off at the speed of 100km/h. Formula 1 race cars reach speeds of more than 250km/h. What keeps the race cars on the ground?

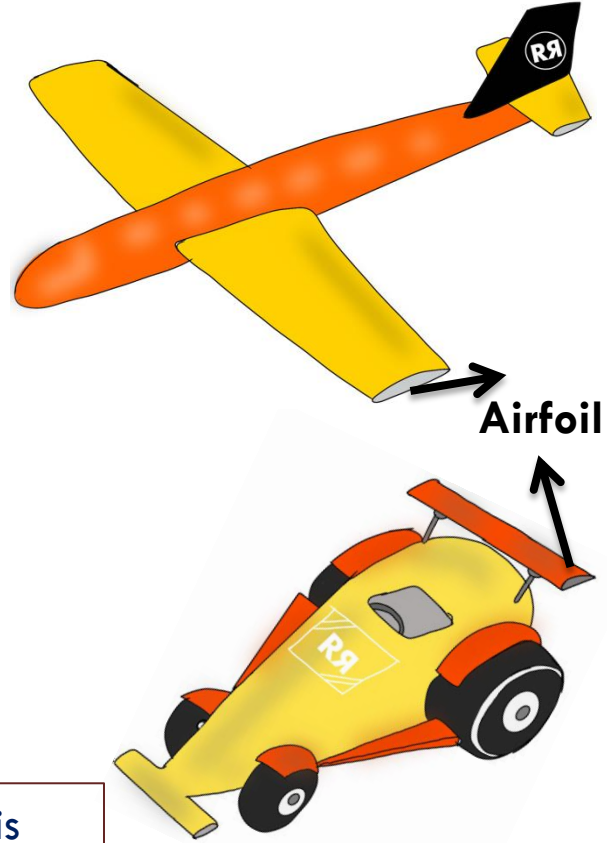
The wings on an airplane help it to get the lift it needs to fly up high in the air. The wing is called an airfoil. When it is turned upside down, it pushes the race car firmly on the ground and stops it from flying off. Would you like to test it?

You will need: 1 old A4 size paper

What to do...



- Fold the paper as shown in the picture – first along the short sides to meet in the middle and then outwards back to the folded edge, to make a tunnel
- Blow through the tunnel and see how the roof gets pushed down.



The roof the paper pushes down, this is exactly how the race car is pushed down even when it runs at very high speeds.

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