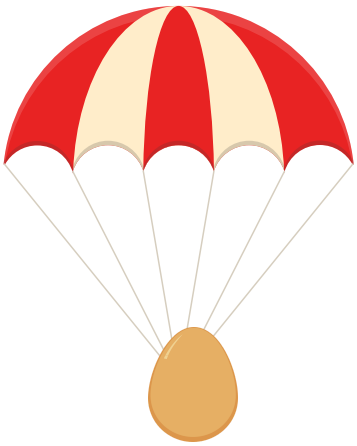
EGG PARACHUTE

This fun parachute egg drop experiment is a great demonstration of the forces acting on parachutes. If you drop something, it falls to the ground. This is because it is pulled by the gravity of the Earth. You'll notice that some things drop faster than others. This is because of air resistance. Try dropping a piece of paper and a lego brick. Which drops the fastest?

You'll need

Bin bag/plastic sheet/paper or other flat material.
4 pieces of string
sellotape or masking tape
2 eggs (boiled or chocolate)



Instructions

Lay the bin bag out flat and cut out a large square.

Make a hole in each corner, thread a piece of string through the hole, and tie a knot.

Tie all 4 pieces of string together and sellotape the egg to the bottom.

Hold the parachute and egg as high as you can and watch them fall to the ground.

Experiment with parachutes of different sizes to find out how increasing parachute size affects the time it takes for the egg to reach the ground.

Extension Ideas

Create a basket for the egg to sit in.

Experiment with different materials for the parachute.

Try dropping the parachute from different heights.

An egg dropped without anything to slow it down will fall fast and smash. The parachute increases air resistance, which slows the fall of the egg, hopefully stopping it from breaking as it hits the ground.

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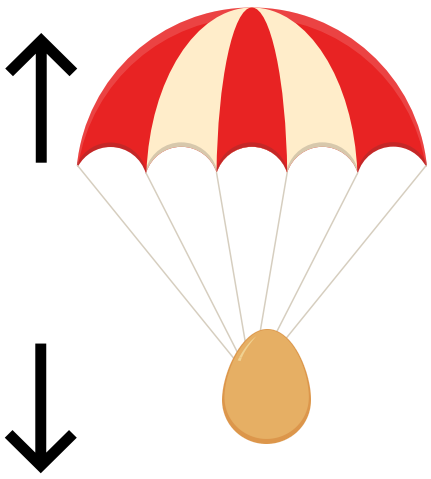
Gravity pulls an object down, and air resistance slows the fall.



RESULTS

Material / Size of Parachute	Time 1 - seconds	Time 1 - seconds	Time 1 - seconds

Conclusion

Remember to drop the parachute from the same height each time.

Did the egg break?

YES ☐

NO ☐