



The Gravitational Pull - using an item of your choice, measure how long it takes for an item to fall from different heights.

OR use different weighted objects and see how long it takes each item to fall from the same height.

The Ice Cream Test - Place a set amount of ice cream in a sieve or funnel over a measuring jug - measure how much ice cream has melted at different time intervals.

The Mentos Trick - Place a different number of Mentos into bottles of diet coke. Measure the heights of the reaction depending on the number of Mentos.

Elasticity - Add different weights to something elastic. Measure the distance that the elastic flexes (stretches) depending on the weight.

Growing Mould - Using a small amount of water begin to grow mould on a piece of bread. (To speed up the process place it in a sealable bag, in the dark) Monitor the size of the mould over a series of days and weeks.

Rebound Test - Measure the rebound height of a ball when dropped from different heights.

Sugar Test - Dissolve a set amount of sugar in a cup. Change the temperature of the water and see how long it takes the sugar to dissolve.
Take care not to burn yourself.

Speed Challenge - Using a remote control vehicle, measure the time it takes for the vehicle to travel different distances.

Ramp Challenge - Using a toy vehicle and a ramp, change the angle of the ramp and measure the time taken for the toy to travel down it.

Chocolate Test - Using a set amount of chocolate, measure how long it takes the chocolate to melt at different temperatures. **Never leave the chocolate melting while you are somewhere else.**

The Pendulum Test - Measure the time taken for the pendulum to completely stop when it is raised to different heights.