

# Population Growth



## Micro-organisms

Change the conditions and run the experiment to see how quickly the micro-organisms (microbes) divide and grow.



To make counting easy, a grid is provided that will let you estimate the total number of microbes present.

Design a table for your results. Include a prediction column which you should fill in before you run the experiment. A sample table is shown below.

Day	Predict number of microbes (x100 million)	Actual number of microbes (x100 million)
1		
2		
3		
4		
5		
6		
7		

- What conditions allow the microbes to divide quickly?
- What conditions stop the microbes dividing?
- Draw a graph to show how the number of microbes changes with time.

