

Lesson 6 Home-Learning: How do bacteria grow in a simulated environment?

1. Imagine you want to place the bacteria in a way that allows one variation to outcompete the others for space and a higher proportion in the population. In the space below, draw the necessary placement of the four variations of bacteria for this to happen. Identify which variation would have the highest proportion in the population.



OBSERVATIONS:

2. Run the simulation to test your prediction above and record your results in the table below.

VARIATION	AT THE START OF THE SIMULATION		AT THE END OF THE SIMULATION	
	# of bacteria	The % of the population that is made up of this variation	# of bacteria	The % of the population that is made up of this variation
Purple	1	25%		
Green	1	25%		
Brown	1	25%		
Red	1	25%		
Total bacteria	4	100%		



