

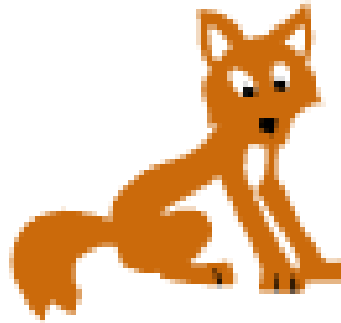
# Population growth



Bringing medicines to *life*

## Rabbits and predators

**How does adding predators to the environment affect the population growth of rabbits?**



You can change:

- The temperature
- How much food the rabbits have
- How much water they have

You can also put some foxes into their world. Try adding different numbers of foxes, keeping the other conditions the same, and see what happens to the number of rabbits.

Have a go at predicting the answer, then check if you were right. When you press 'Start' you start with a population of 100 rabbits, pause the game at regular intervals to count how many rabbits there are now.

- Can you find conditions that leave you with nearly the same number of rabbits that you started with?
- How many rabbits do you have after 3 months when there are no foxes present? How many do you get at 3 months when there are 4, 12 or 16 foxes?
  - Design a table to record your results.
  - Include a 'prediction' column and fill this in before you run the experiment.
  - Draw a graph of your results?
- Once all the rabbits have been killed and eaten by the foxes, what is likely to happen to the population of foxes?