Bar-charts

- Success criteria:
  - Label with units for both axes
  - Y-axis scale increasing by regular increments
  - All bars the same width.
  - Space between bars the same throughout.
  - Bars neatly drawn with a ruler
  - No shading or same shading for all bars unless different shadings are needed to convey the information.
  - Value at the origin is only found for the Y axis.

Times greater

- How many times greater if the height of Tom (2m) compared to Alex (1m)?

- Divide the big number by the small number!

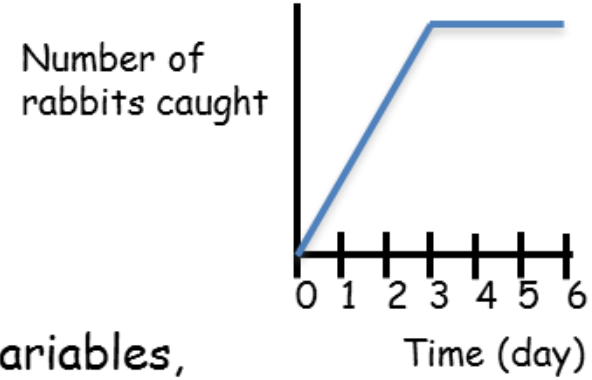
Averages

Plant	Height (cm)
1	1
2	0
3	2
4	5
Average	

Add up all the values and divide the total by the number of values that you added.

1+0+2+5=8/4=2

Answering questions about relationships between variables



Q. Describe the relationship between time and the number of rabbits caught

1/ Use the same wording as the question for the variables, i.e. time / the number of rabbits caught.
2/ Follow the same order as the question, starting to write about time.
3/ Follow this model to be safe:

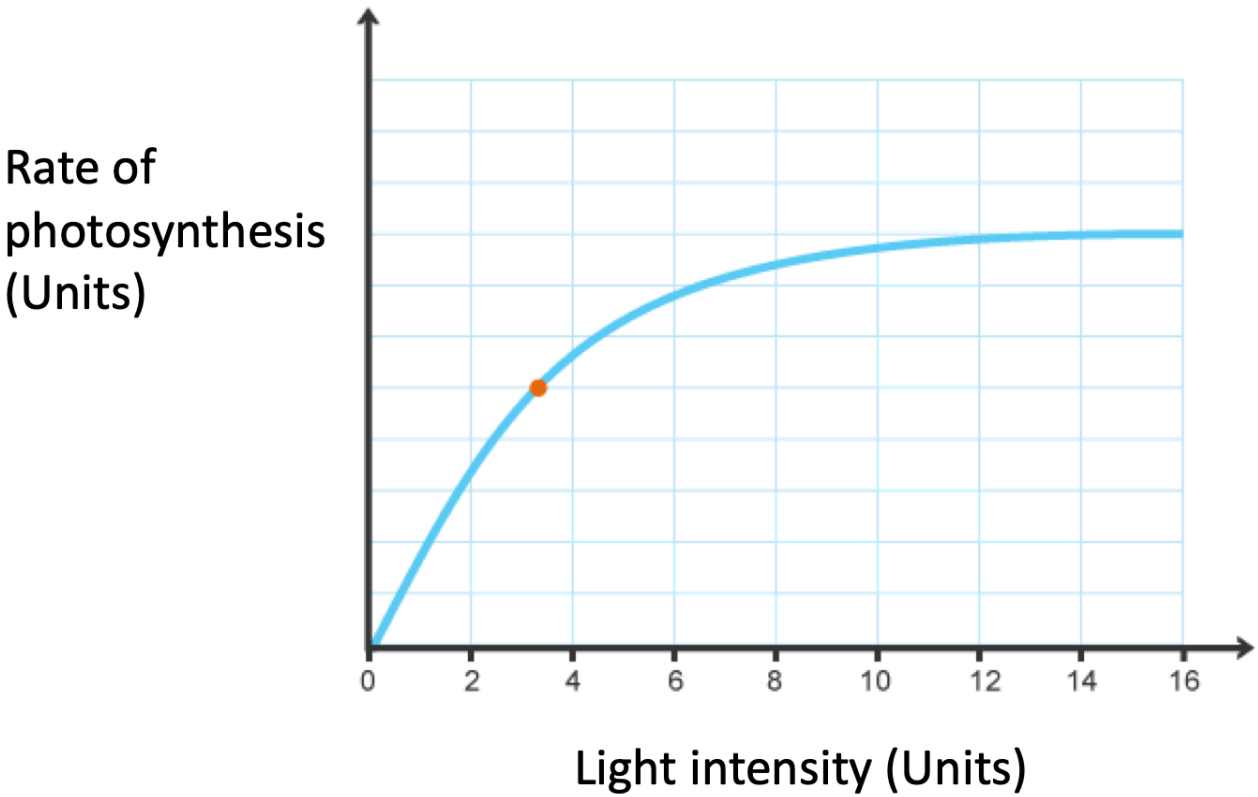
"As the ..... increases/decreases/stay the same, the .....increases, decreases, stays the same"

4/ In here, there are 2 trends to the data, so you need to make two different statements, indicating when each trend starts and finishes:

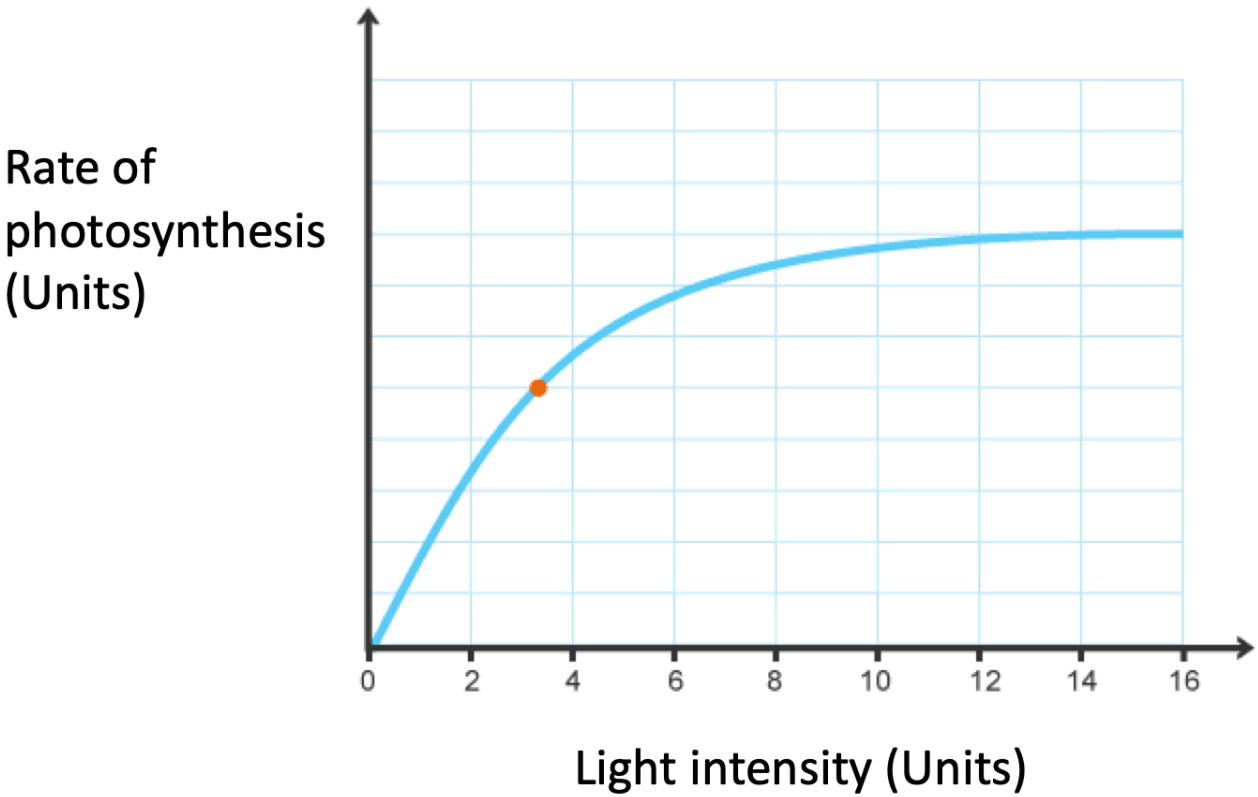
A perfect answer would be:

"As the time increases **from 0 to 3 days**, the number of rabbit caught increased;
As the time increases **from 3 to 6 days**, the number of rabbit caught stayed the same."

Describe the relationship between the 2 variables

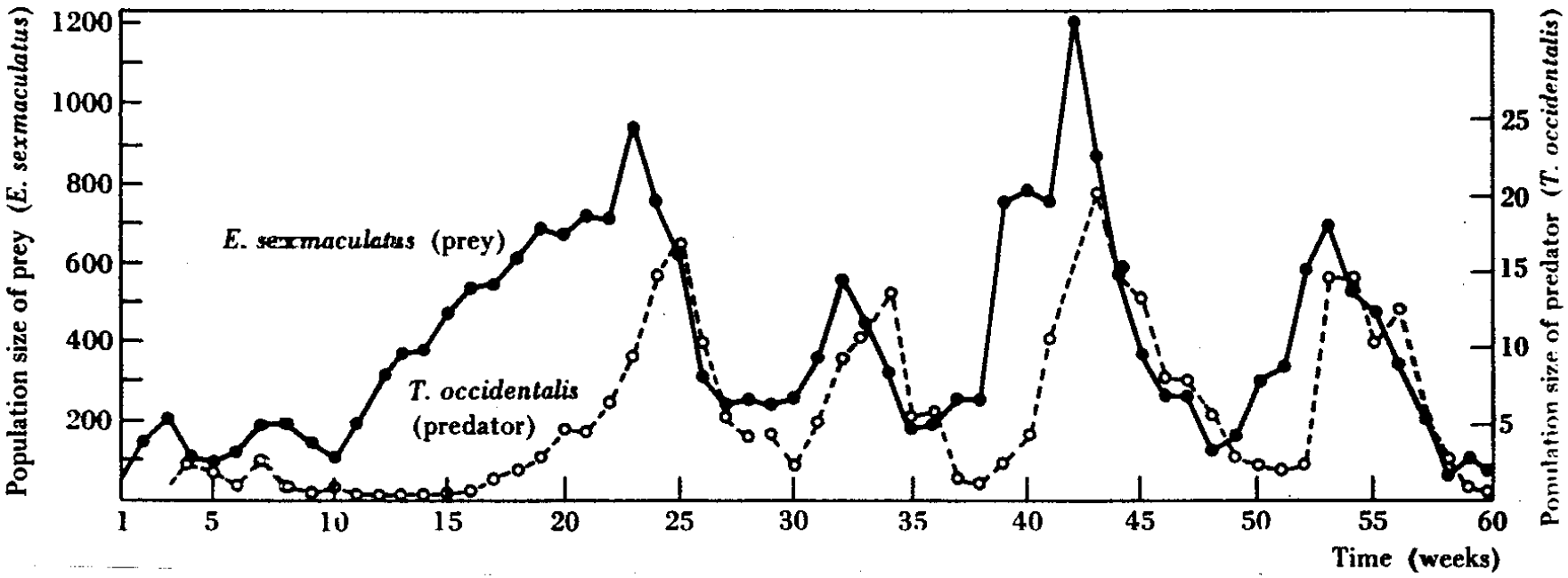


Describe the relationship between the 2 variables

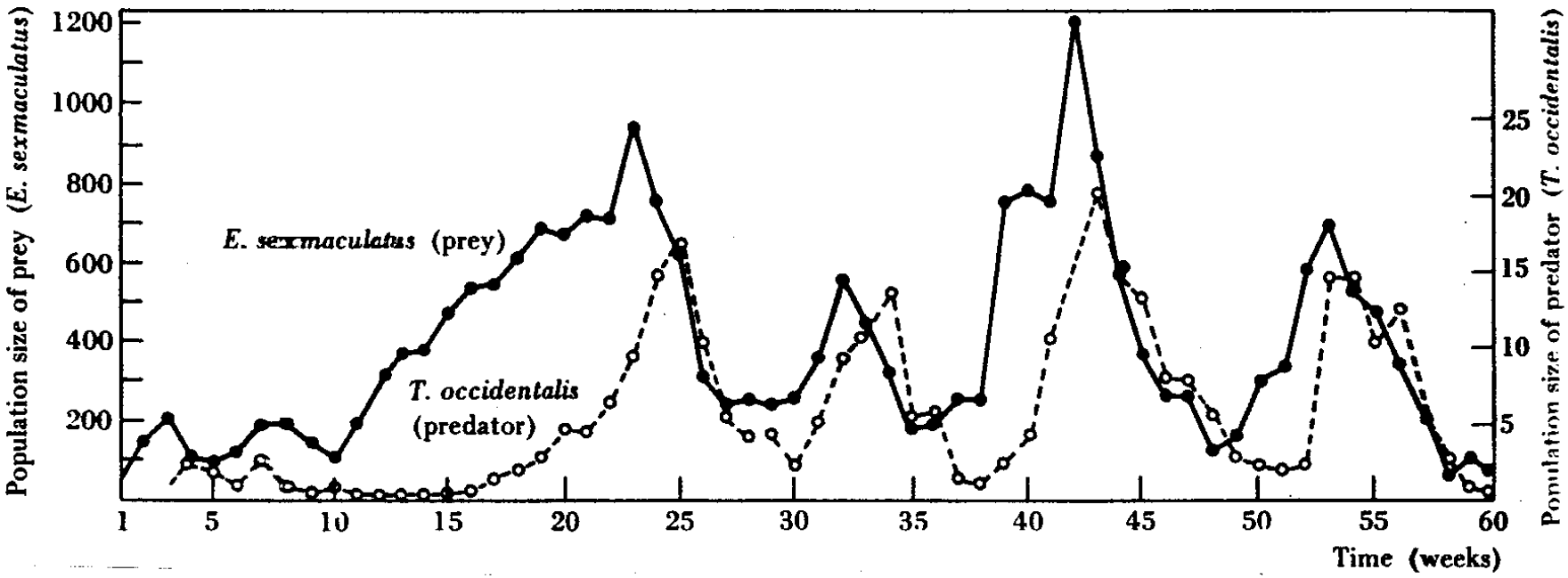


As light intensity increases from 0 to 14 units, the rate of photosynthesis increases.

Describe the relationship between time and the population of predators between 15 and 25 weeks.

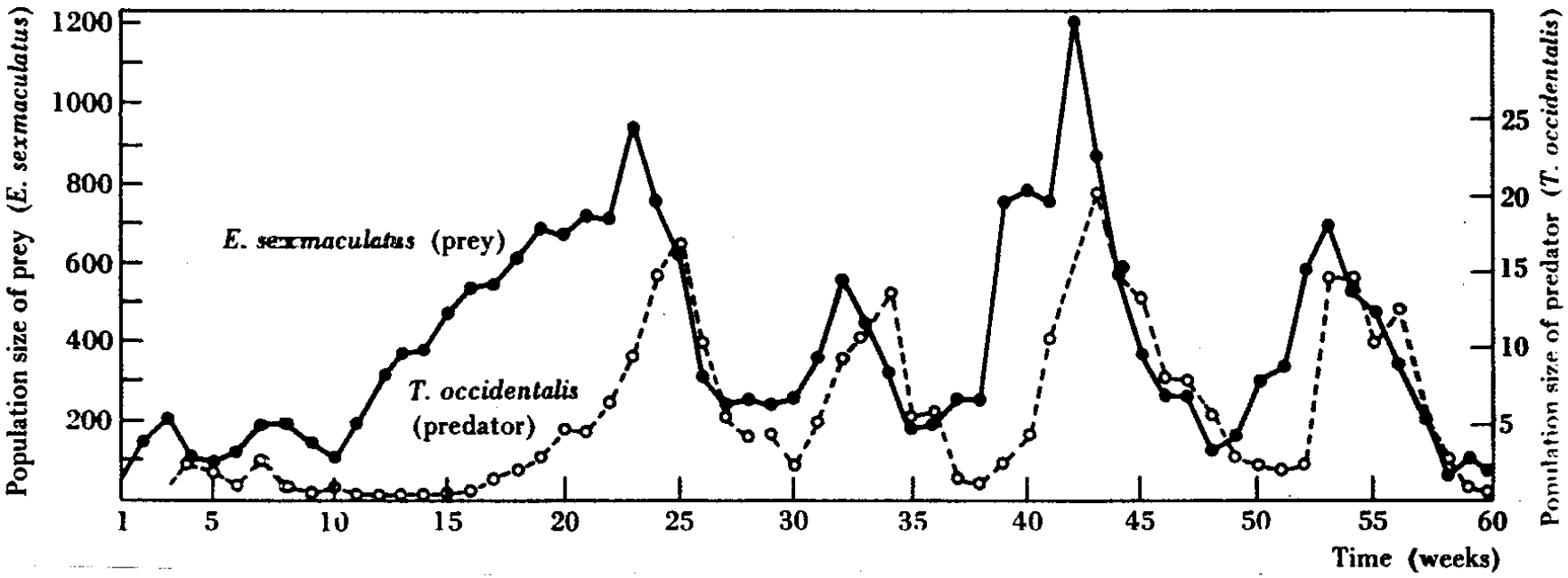


Describe the relationship between time and the population of predators between 15 and 25 weeks.

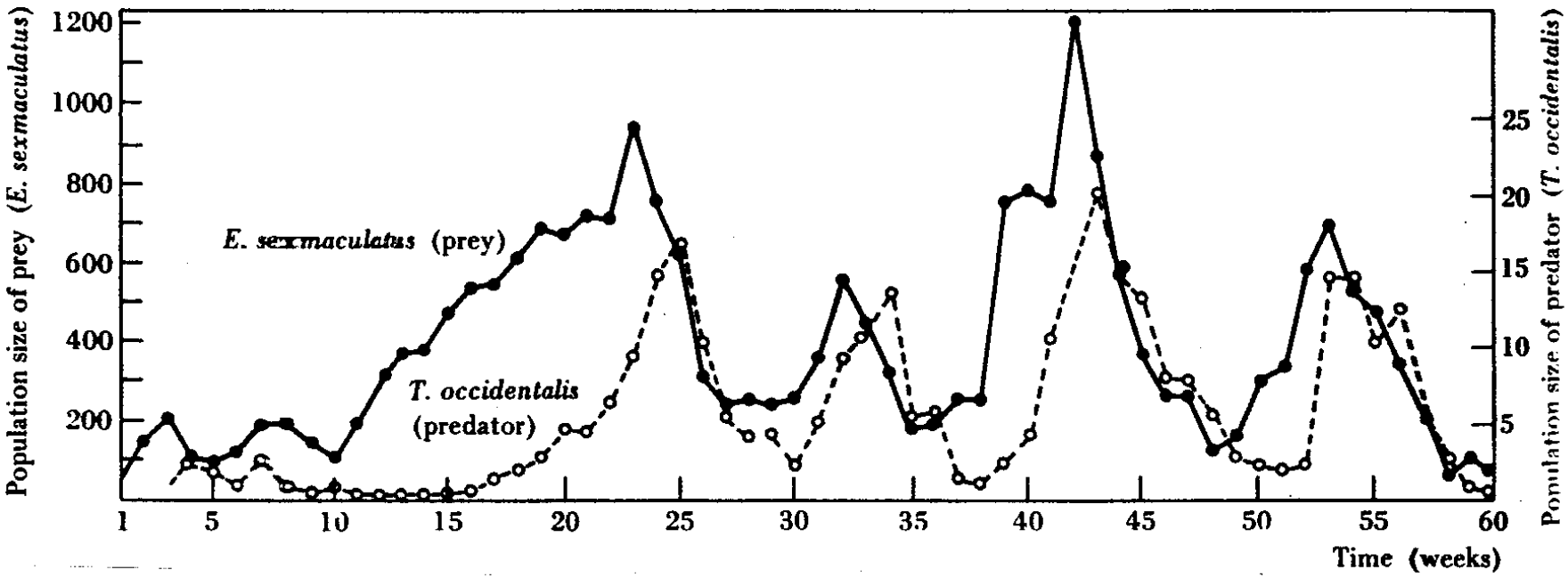


As time increases from 15 to 25 weeks, the population of predators increases.

Describe the relationship between time and the population of predators between 25 and 30 weeks.

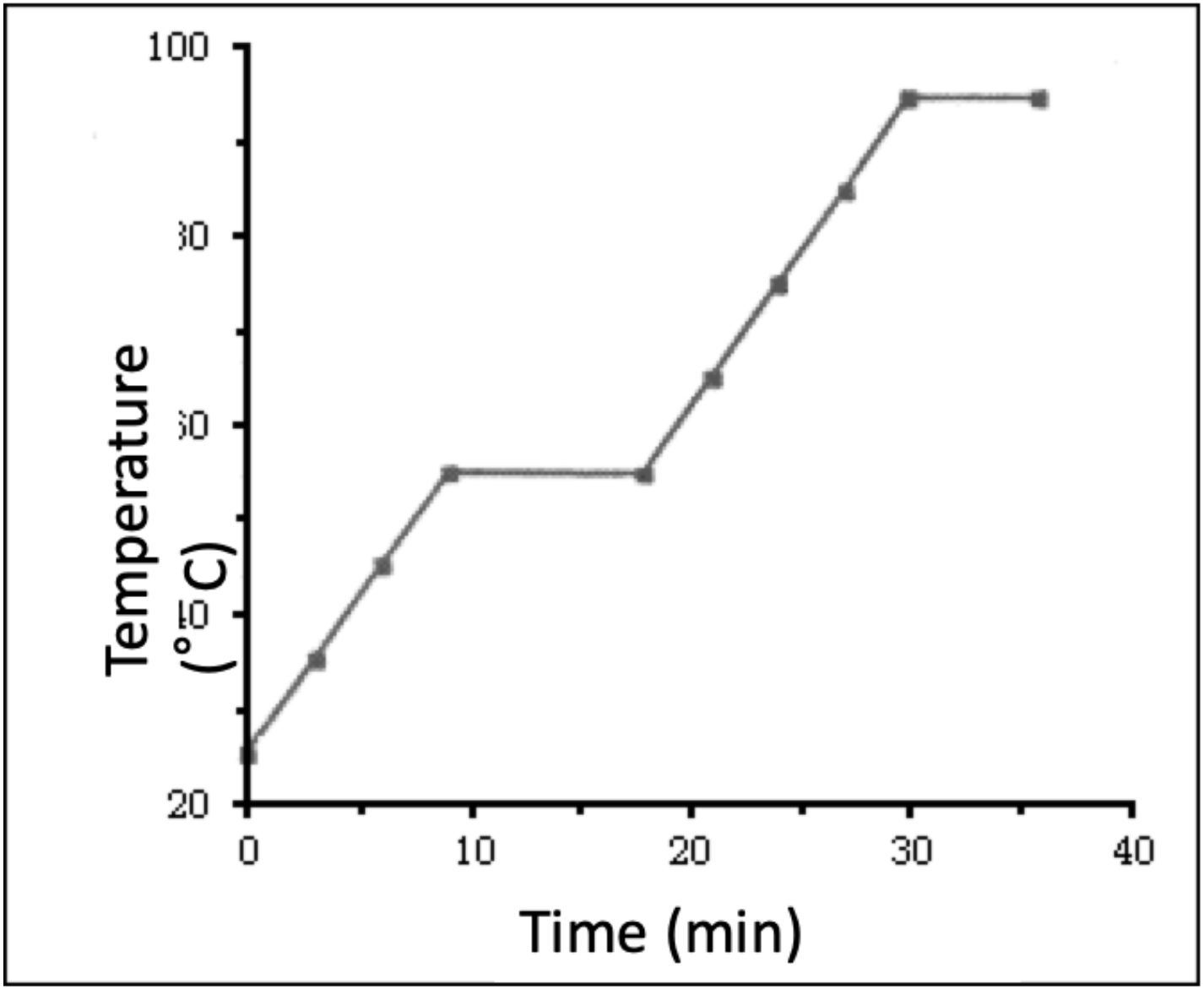


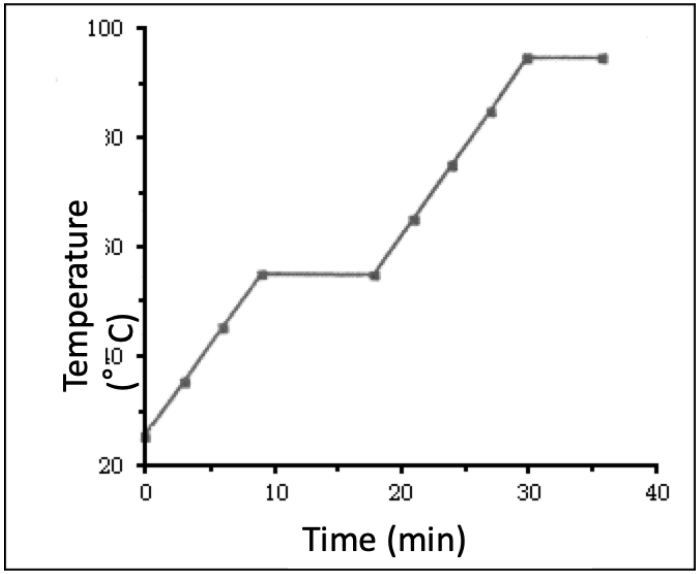
Describe the relationship between time and the population of predators between 25 and 30 weeks.



As time increases from 25 to 30 weeks, the population of predators increases.

Describe the relationship between the 2 variables





As time increases from 0 to 8min, the temperature increases, as time increases from 8 to 18min, the temperature stays the same at 7.5°C, as time increases from 0 to 8min, the temperature increases.