

# Organisms HSW HW2

Students were given this task to do....

## Task:

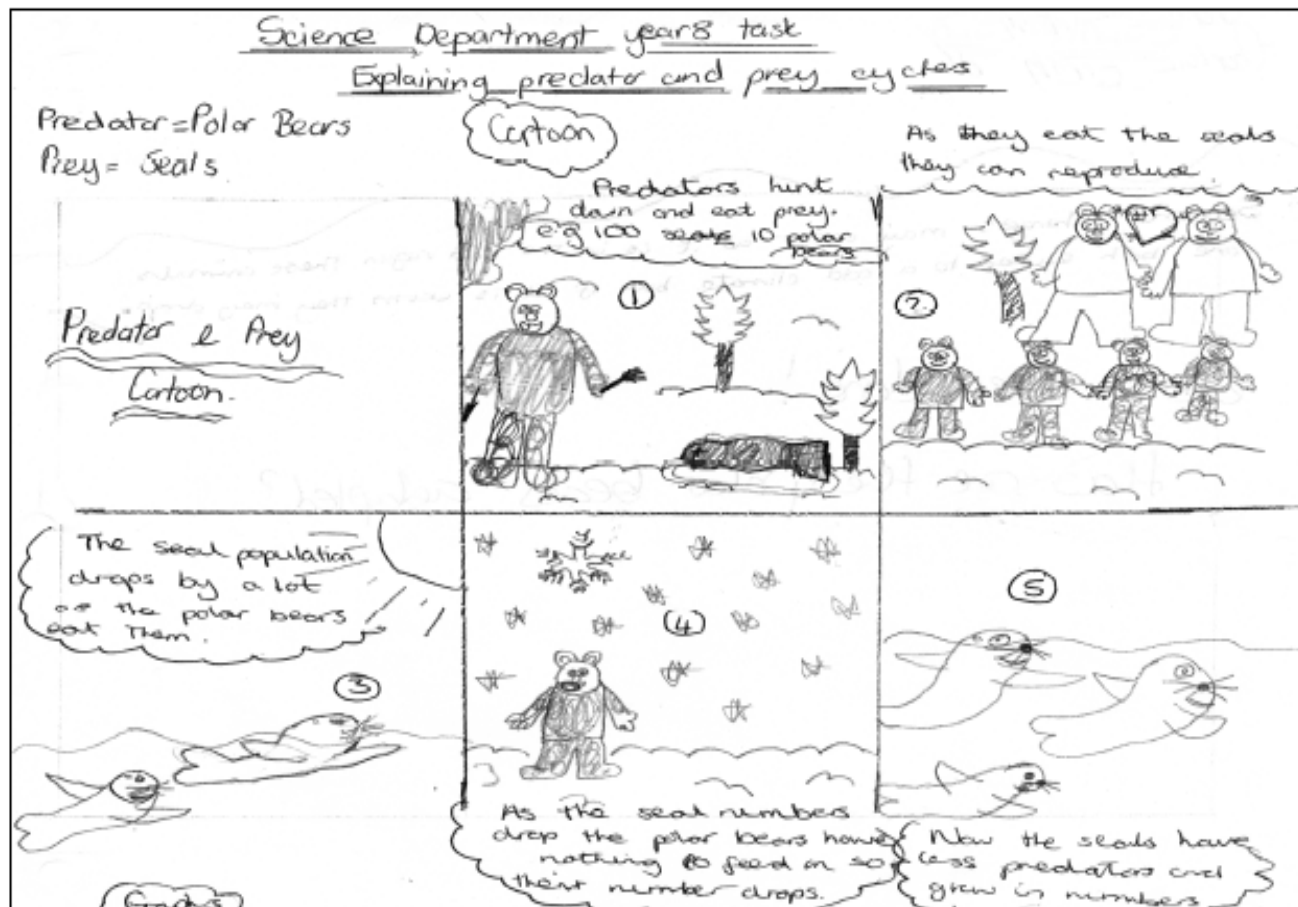
Draw a cartoon to show what happens to the predator and prey populations throughout the year.  
*Examples: polar bears and seals, foxes and rabbits, killer whales and seals.*

## Top tips:

- Show adaptations of predator and prey.
- Give reasons for why the populations change.

**Key words:** decrease, increase, population, predator, prey

Below is an example of what one student did.  
 How could the student improve their work to achieve a higher grade?  
 What language, key facts are missing?



<p><b>To get level 6</b></p>	<p><b>You might have:</b></p> <ul style="list-style-type: none"> <li>• Chosen the suitable predator and prey.</li> <li>• Explained a range of adaptations of the predator and prey.</li> <li>• Explained how a change in the prey population effects the predator population.</li> <li>• Used detailed scientific knowledge and understanding to explain predator and prey cycles.</li> <li>• Explained how seasonal changes may affect the sizes of predator and prey populations.</li> <li>• Explained how predator adaptations may help them to survive in times of low prey populations.</li> </ul>
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1) Circle any words in the pupils work that should be replaced with words from the key words box provided at the top of the LAT (3)

2) Name one adaptation of the prey and how it improves chances of survival.  
\_\_\_\_\_ (1)

3) Name one adaptation of the predator and how it improves it's chances of survival.  
\_\_\_\_\_ (1)

4) What other factors might affect the seal population?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (3)

5) Is this work sufficient to gain a level 6? Support your answer using the level ladder.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (3)

6) How do seasons affect the predator and prey cycle of bears and seals?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (2)

7) In what ways might human activity unbalance this predator prey relationship?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (2)

Mark	Level
0-2	N
3-5	3
6-8	4
9-12	5
13-15	6

Mark = /15  
Level =

