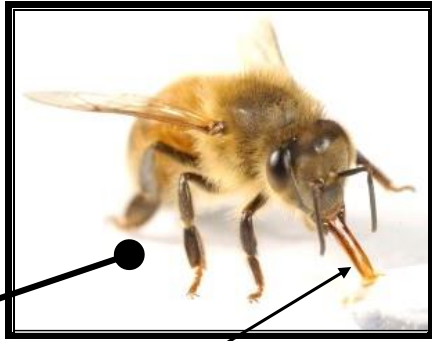
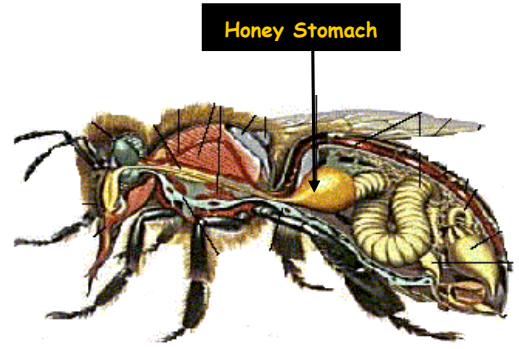


How Do Bees Make Honey?

? Bee's unintentionally carry pollen from flower to flower. What's this called?



Bee's tongue



Honey Stomach

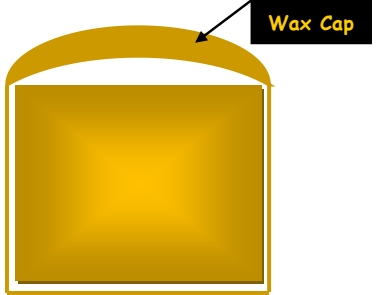
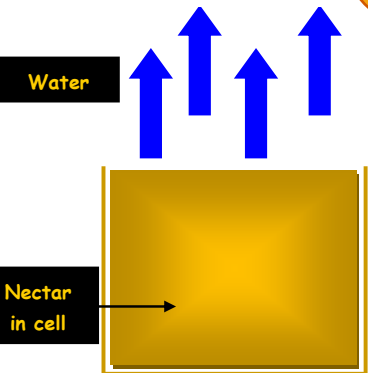
Bees use their long tongue to drink nectar from flowers. It is nearly twice the length of their body! This helps them reach the nectar inside the flower.



Bees store the nectar in a special sac called a Honey Stomach. Inside the stomach the nectar is broken down into two sugars.



? Why do bees make honey?

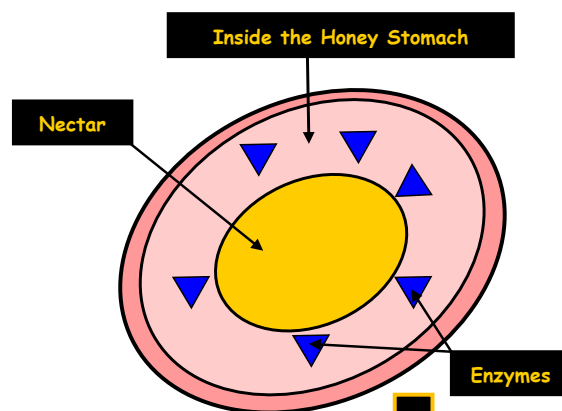


The heat in the hive helps water evaporate and forms honey. The bees then cover the cell with a wax cap.



? What temperature is inside a beehive?

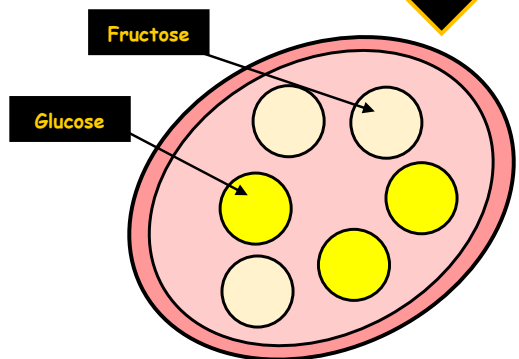
The bee returns to the hive and spits these sugars from its Honey Stomach into one of the cells.



Inside the Honey Stomach

Nectar

Enzymes



Fructose

Glucose

Inside the Honey Stomach enzymes break down the nectar into two sugars: **FRUCTOSE** and **GLUCOSE**.

TASK:

- Using pictures and words, complete the story board found on the next page. (You might need to do a little research of your own.)
- Conduct a survey in your garden, counting and recording the number of bees you see in 1 hour. You could also make note of the different species of bees and any other pollinating insects you see. Do they have a favourite plant?

Did you know... Bees prefer blue and purple flowers over reds and oranges.

Where do bees get nectar?



Where does the nectar go....



The bee spits nectar into cells...



...what is it turned into?

..what shape are the cells?



What evaporates from the nectar?

Now we have honey! What is the bees last step?



Why are we worried about bees?

