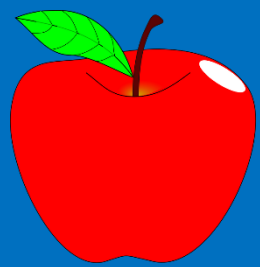
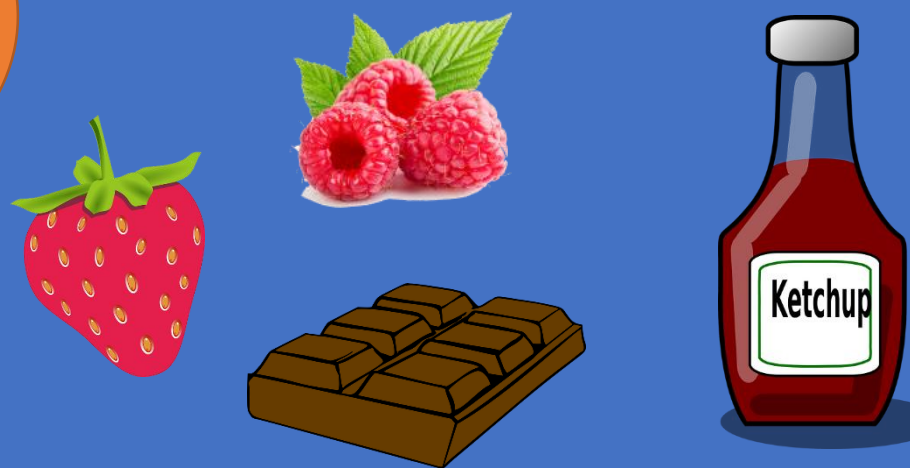


Apple Tipping Experiment



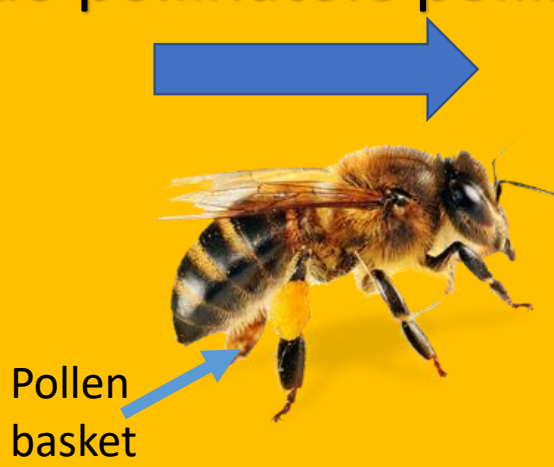
Without pollinators many things would be very hard to buy:



How do pollinators pollinate flowers?



Pollen is sticky and sticks to the insects body. Some insects like honeybees collect pollen in their pollen baskets.



Insect pollinators move to other flowers carrying pollen on their body



When the bee arrives at another flower the pollen transfers and fertilises the flower allowing the flower to produce seeds and fruit

Equipment: 2 apples of the same variety (ideally 1 apple perfectly shaped and one squint), knife & cutting board

Wobble test Stand both apples in front of you and push each lightly. Give each apple a wobble score.



my apple stands great



my apple falls over



my apple won't stand at all!

Seed count Carefully cut the apples open and count all the seeds you can find. You may need an adult to help you. Which apple has the most seeds?

Taste test Taste each apple and give them both a score!



Delicious!



Okay



Yuck!

What does the experiment mean?

Pollinators transfer pollen fertilising flowers and this allows the flower to make seeds and produce fruit. Flowers that are pollinated well should produce better shaped fruit with more seeds. In our experiment apples that are pollinated well should be less wobbly. Often well pollinated apples taste better! Did you find this?



Please help us by reporting results



Variety

Country apple was grown

Wobble test



Number of seeds

Taste test



Which town/city do you live in?

Report your results to help scientists discover more about pollination!



Lorna.Cole@sruc.ac.uk



@LornaCTweets

