

Beekeeping – A life for pollen and honey

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Strucutre

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What are bees?

- Bees are insects with wings
- closely related to wasps and ants
- They produce honey
- They live in swarms
- There is just one queen per swarm
- of around 20,000 bee species, only seven are commercially responsible for honey production



Information about bees

- Bees make honey to feed their young and so they have something to eat during the winter.
- Bees are known as "pollinators," meaning they help plants live and reproduce by transferring pollen between various species of flowering plants like flowers.
- They carry pollen on their legs and body from one flower to another, helping to create what's known as "genetic variety" by distributing different genes throughout many plants and flowers.



Information about beekeeping

- In a beehive from a beekeeper there is a part of the wax already given in in a so-called honeycomb, which later allows the beekeeper to take the honey stock out of the hive.
- In winter, the bees get a mixture of sugar and water instead of honey as food.
- Beekeepers use smoke to calm bees when they are collecting honey or relocating in the hive. Bees then think that there is a fire and relocate in their hive what allows the beekeeper to perform his weekly inspection.





Honeycomb in the beehive



Honeycomb being prepared for the harvest



Behive



Smoker – tool being used to smoke the bees



Drone

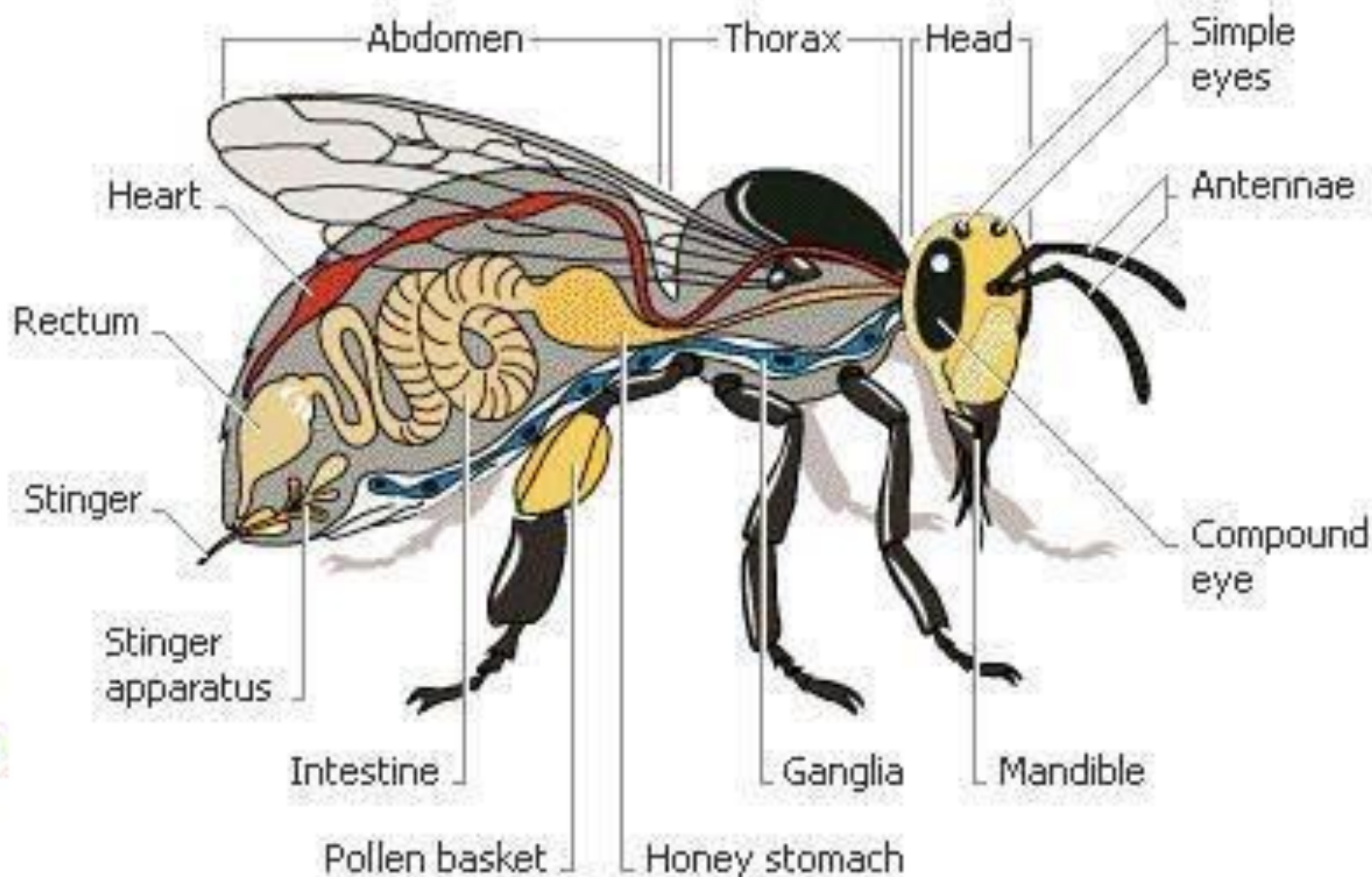


Worker

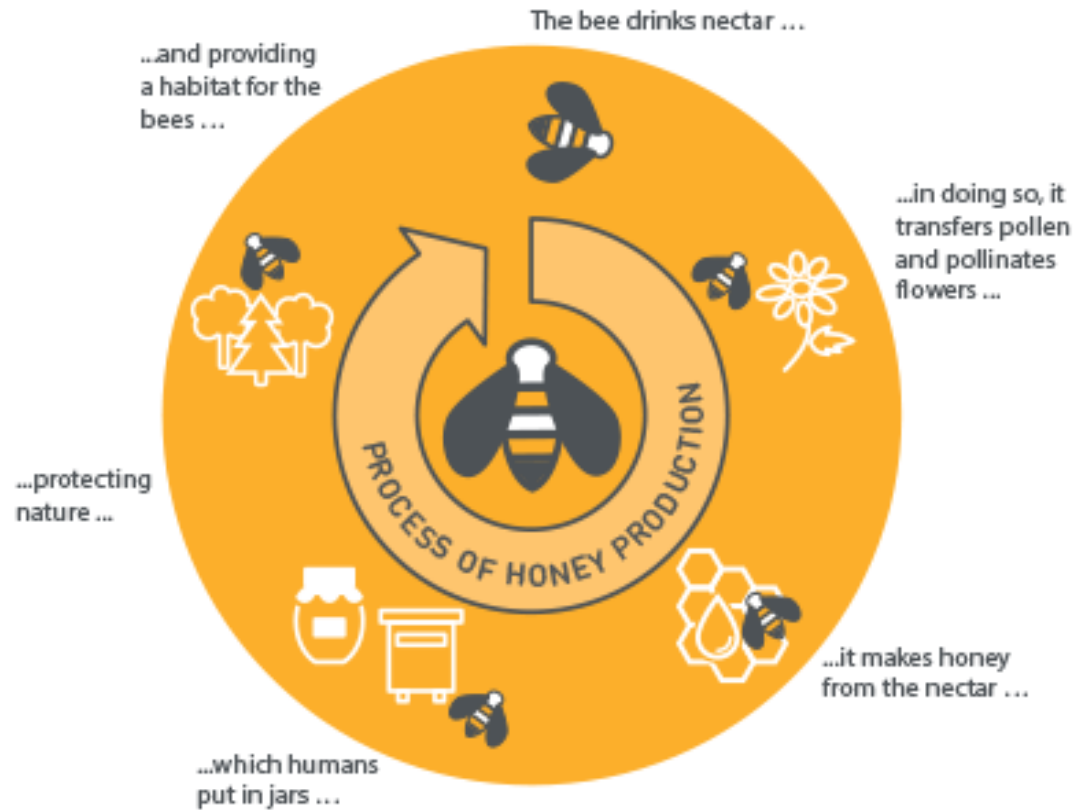


Queen

Worker Bee



Process of honey production

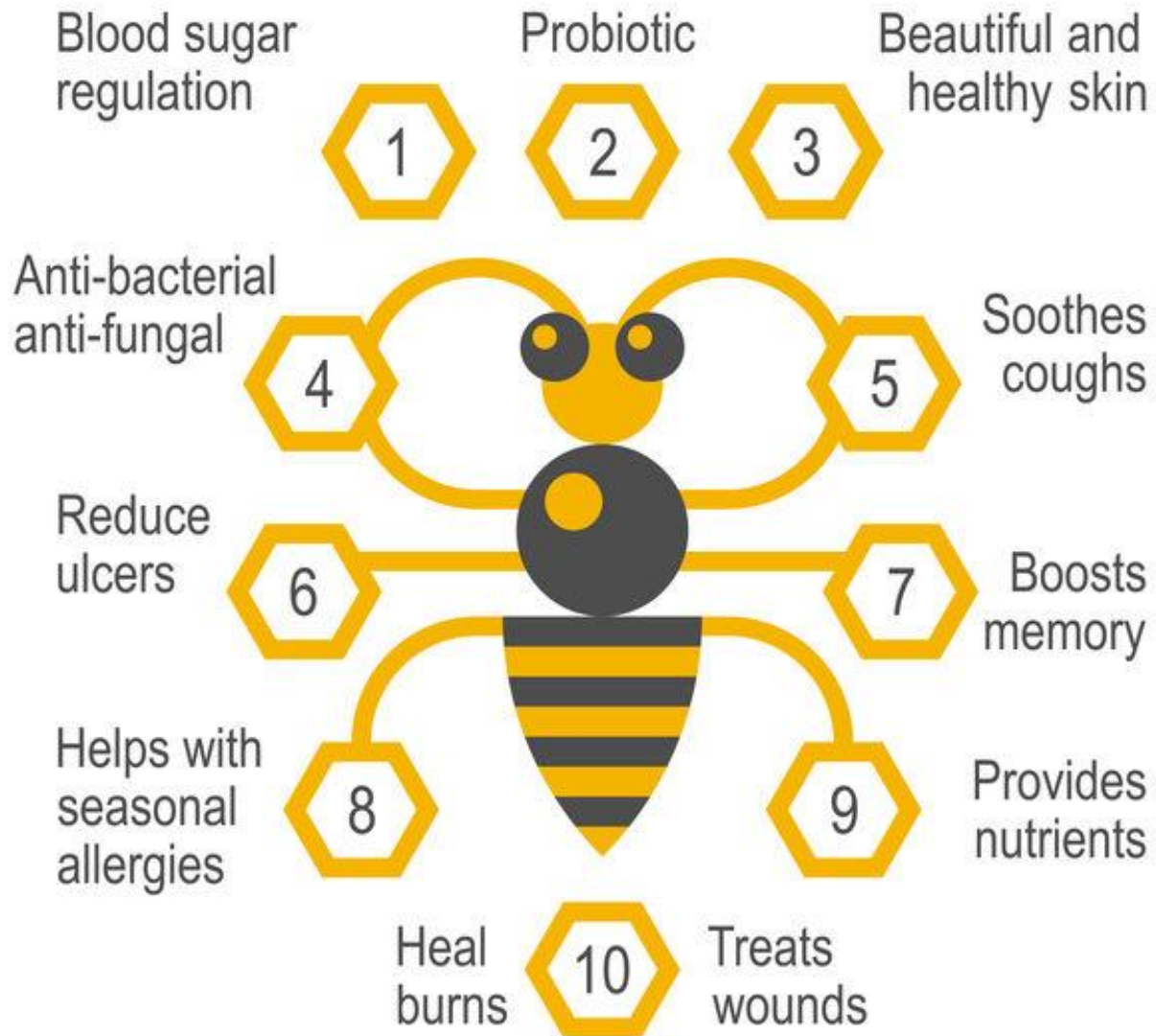


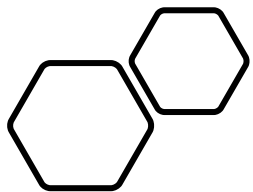
Did you know?

In mathematical terms, a bee flies around the world one and a half times for one jar of honey (500 g).



BENEFITS OF HONEY





Economic importance of honey and beekeeping

- 1.6millionen tons of honey are produced every year
- 300.000 of them are globally sold, alone 200.000 of them are imported to the EU
- In Germany there are more than 100.000 tons consumed yearly
- China has a yearly production volume of 500.000 tons.
- Bees also produce special wax, called propolis from which we can produce candles or use it in the textile industry
- Bees are from high economic value for pollinating plants





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Thank you for your
attention

Sources

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