




Which bee lays eggs in
the hive?



Workers

Queen

Drones



What is the main role
of bees in nature?



Pollination



Making honey



Collecting leaves






How can workers help
regulate the
temperature in the
hive?




**They circulate air with their
wings**



**They warm the walls of the
hive with their bodies**



**They cool the nectar with
water**



Which body part is used
by bees to transport
pollen?




**The 'basket' on their
hind legs**



**The dense hair on their
front legs**



Their stomachs




What do bees collect
from flowers?



Only pollen

Only nectar

Both



How many ocellus does
a bee have?




4



2



3



What is the average
life span of drones and
workers in the
summer?




12 weeks



8 weeks



6 weeks



How many
individuals make up a
healthy bee colony in
the summer?




40 000 - 80 000




15 000 - 20 000



100 000 - 130 000



How will a bee
communicate to the
others that it has found
nectar?




**By landing where it found
the nectar and staying there**



By dancing



By buzzing




What is the average
life span of a queen?



 **6-7 years**

 **2 years**

 **3-5 years**



What colour is it that
bees **CANNOT**
perceive?




White



Red



Blue



How many pairs of wings does a bee have?

A small bee is shown flying from a flower on the left towards a beehive in the center. A dashed line indicates the path of the bee.


1

A small bee is shown flying from a flower on the left towards a beehive in the center. A dashed line indicates the path of the bee.

2

A small bee is shown flying from a flower on the left towards a beehive in the center. A dashed line indicates the path of the bee.

3



Which honeybees
do not have stingers?




Drones





Workers



Queens



**How is the hive
protected from
intruders?**




The entrance of the hive is always guarded. The “guards” check every returning bee or intruding insect for olfactory cues. If an insect does not belong to the colony, they are usually not allowed in or the guards raise the hive.



The bees spit venom at them



The bees make noise



How many bee colonies
do you think live in
Hungary?




10 000



100 000



1 000 000




What is one of the main tasks of the queen in the hive?



Laying eggs

Guarding the hive

Building honeycombs



What is the primary
food of bee larvae in the
early stages?



Royal jelly




Pollen




Honey



**What is the kicking out
of drones?**




**The queen searches for
drones in the hive**



**The workers expel the drones
and do not allow them back
into the hive**



**The workers expel intruding
drones from the hive**



How many sides does a
beeswax cell have?




4



6



8




How much honey do
you think a single bee
produces in its
lifetime?



A teaspoonful

A ladleful

Cca. 1 kg




What do bees produce
besides honey?



Wax

Propolis

Both



What tool is used to
remove honey from the
combs?




Bee smoker



Extractor



Hive tool




What protects the
beekeeper from bee
stings?



 **Hive tool**

 **Beekeeping suit**

 **Bee smoker**



What tool is used
to calm the bees?



Protective gloves


Bee smoker

Extractor



Why does a bee sting hurt?




 **Bee venom enters the skin through the stinger**

 **A toxic substance enters the bloodstream**


 **When a bee stings, it bites the skin**



**What would happen if
bees disappeared?**




**We would not be
able to eat honey**



**The entire land ecosystem
and food production
would be disrupted**



Fruits would disappear



What can wax be
used for?




Candle making



Washing detergent




Plant fertilization



Which domestic
cleaning products may
contain wax?




Dishing liquid



**Wood care and furniture
polish**



Toilet cleaner



What substance is used
by bees to disinfect
their hives?




Beeswax



Propolis



Honey



What is the most
common parasite
of bees?



Varroa destructor mite



Flu-like viral infection



Apivorous bacteria



Knowledge Cards

KNOWLEDGE CARDS

