

KNOW

YOUR

BEEES



What do you
call a wasp?

A Wanna
Bee!!!



A Bee Zine

By : Manya Saxena

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Know Your Bees

Who am I?

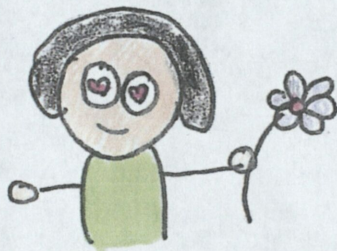
I use my tongue to drink nectar,
But I'm not a butterfly.

I can fly but I'm not a bird!

I have home but I'm not rat.

Who am I?

I'm a Bee...



Buzz !!!
I'm so happy!

In this article, you will learn about bees. Did you know bees are our friends? They help both humans and plants. Bees pollinate flowers to make fruits and seeds. They also make honey and bee wax. Bee wax can be used in many ways. They can be used to make candles, cleaning supplies, crayons, and much, much, more!!!

I think bees are cute. What do you think?

Types of Bees

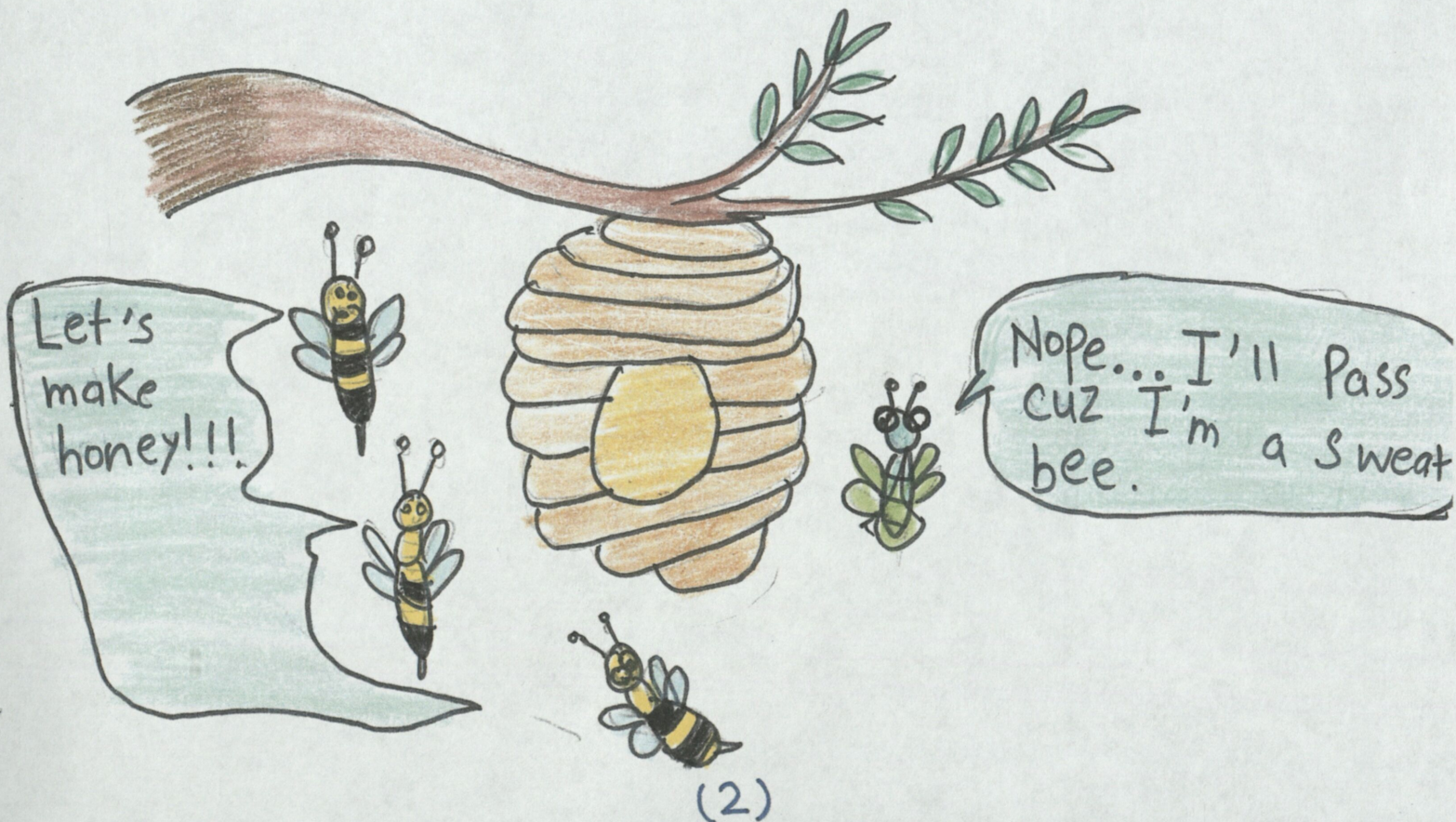
Not all bees are honeybees. Some bees live alone in their nests. They build their nest in wall or hole on ground.

1. Solitary bees

- Lives alone.
- Do not make honey or beewax.

2. Social Bees

- Lives in group like honeybees.
- A group of social bees is called colony.
- Makes honey and beewax.



Bees Body Parts

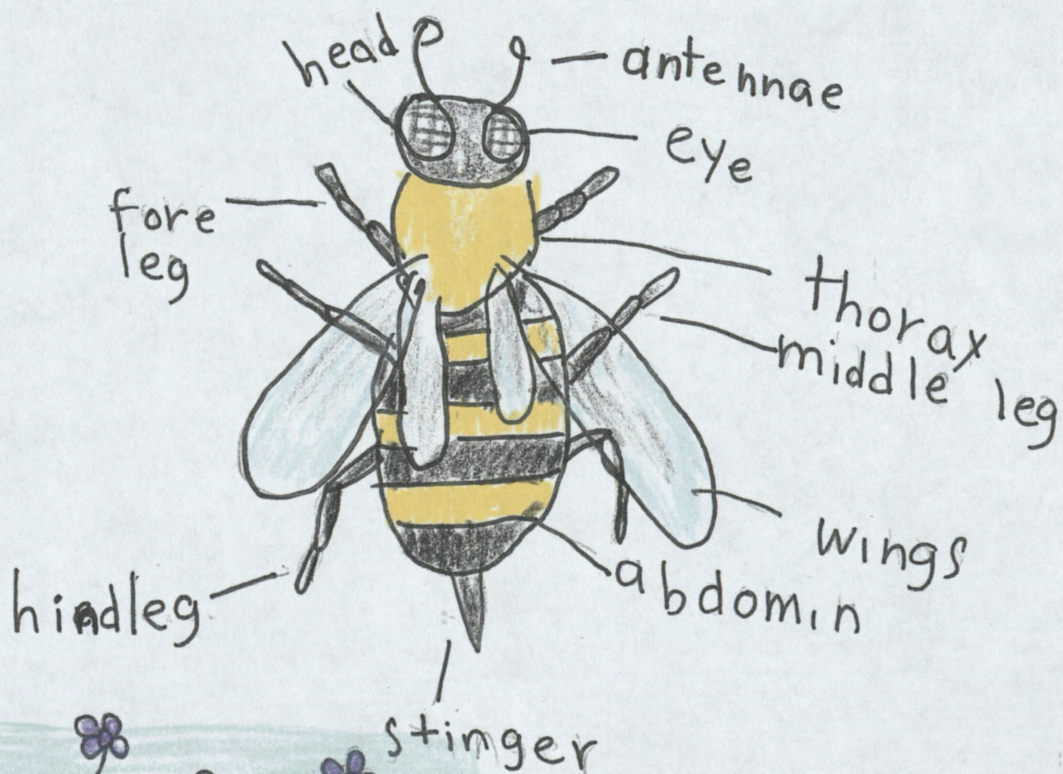
Bees are insects. Like all insects they have six legs. Their body is made of three parts- head, thorax, and abdomen.

They have 2 sets of wings. A bee fly its wings so fast that it makes a buzzing sound "Buzz Buzz".

Their body has fuzzy hair which is to pick up pollen.

Also, it has a very long tongue to drink nectar.

Back legs of bees have a little basket to collect pollen.



Anatomy of a bee

Honeybees

All the honeybees in colony have a special job.

1. Queen bee - there is only one queen bee in a colony.

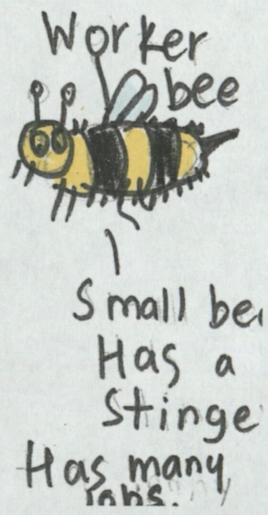
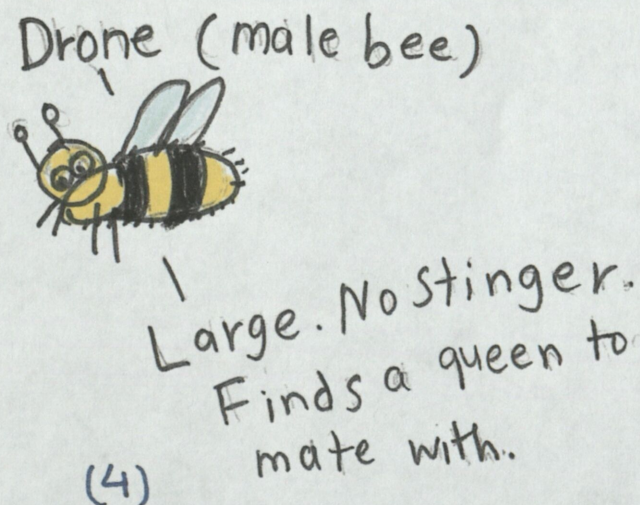
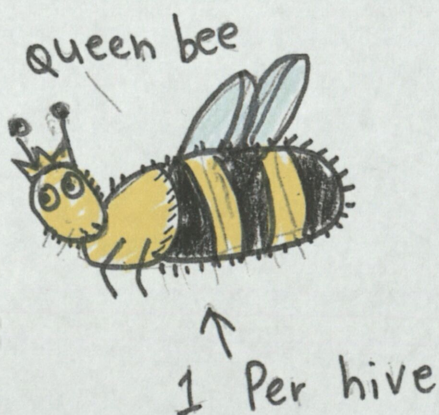
- Bigger than other bees. Her job is to lay eggs.

2. Drone bees - are male bees. they help queen bee to make eggs.

3. Worker bees - they are female bees. They feed queen bee and take care of young ones.

- They collect pollen and nectar.

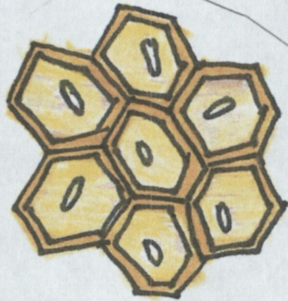
- They build hive, make honey, and guard hive against enemies. That's a lot of work they do!!



Life cycle of Honeybee

The life cycle of bees has four stages:

Egg → Larva → Pupa → Adult

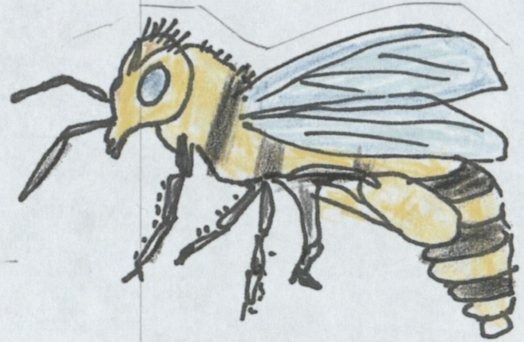


Egg

The bee is smaller than a grain of rice.

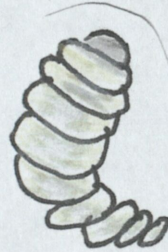
It begins its life in a honeycomb cell.

Life Cycle of honeybee



Adult

This is when the bee is fully grown and starts its job as a worker, queen, or drone.



Larva

During this stage, the baby bee looks a bit like a worm.

Worker bees feed them every day for 5 days so they can grow strong.



Pupa

The worker bee puts a wall of wax on the baby bee's honeycomb cell.

The baby bee's wings, legs, and eyes develop while its inside.



To Bee or not a Bee!

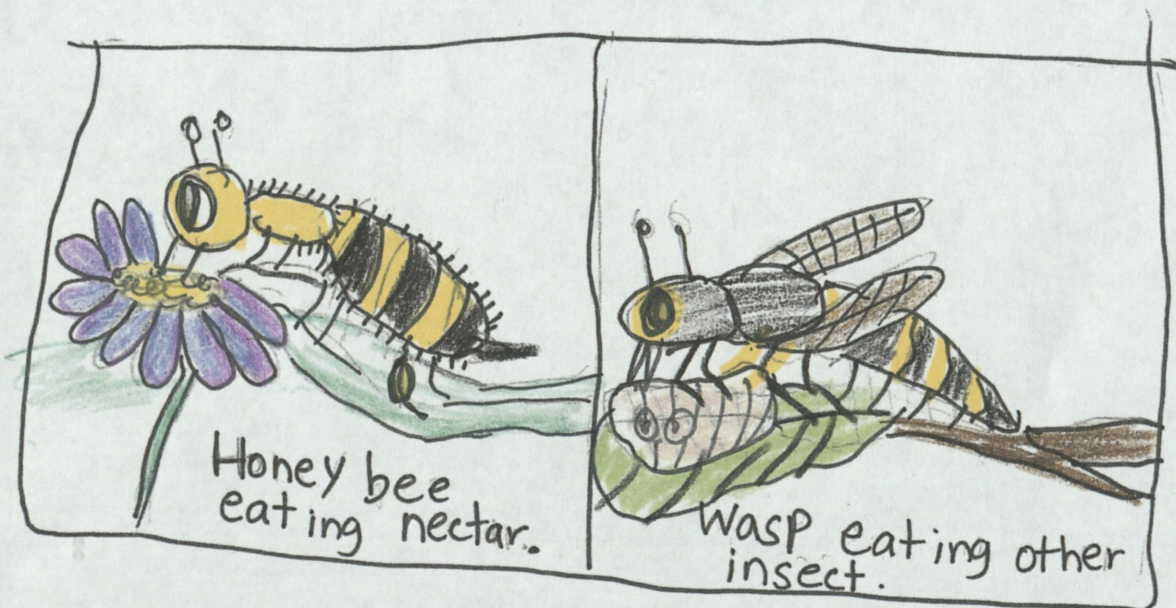
People often mistake insects for bees. They look do alike like the yellow wasp and honeybee.

Honeybee.

- Eats nectar and pollen.
- Has hair all over its body to catch pollen.
- Has pollen basket if the bee is worker bee (female).

Wasp.

- Eats meat such as other insects.
- Does not have much hair
- Does not have pollen basket



Be Careful Around Bees

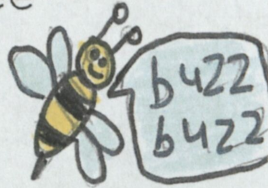
Some tips for staying safe around bees:-

- Move slowly around bees. Don't wave or jump.
- Stand still when bees come near and walk slowly.
- Don't disturb bee nest or honeybee hive.
- If we leave bees alone they will not bother us.



Did you know?

- Bees are helpful because they make bee wax, honey, and they help plants to make seeds.

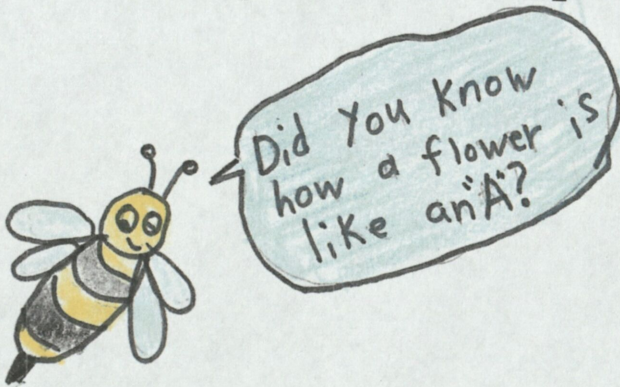


- Bees dance to tell other bees news

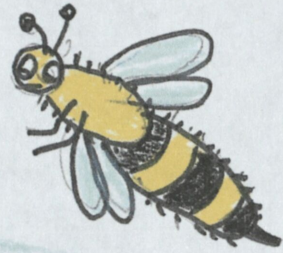
- Round dance
 - waggle dance

- Bumble bee feed pollen from flowers. They buzz really close to flower. The sound vibration loosen the pollen from flower this is called "Buzz pollination".

- A bee must visit 2 million flowers to make one jar of honey!!!



Save our bees!!



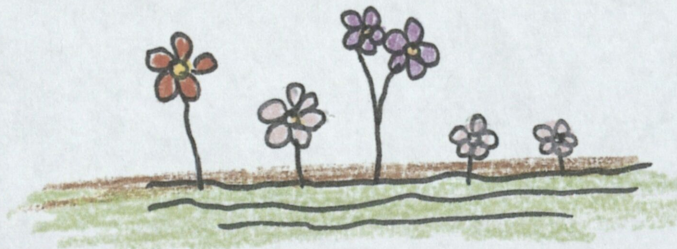
- Use less Pesticides



- Less Pollution



- Plant more bee friendly flowers!



Bees need our help!!! Let's save them together.

Together we can do amazing things.

Know Your Bees!!!

h r c k y r n e c t a r f v p
 w x h o n e y b e e n w o n o
 m l a r v a r s h f w a f b l
 o p v w s b h k t y w s t e l
 p o m w a g o s f i w p o e e
 u l t d v g j v r h n o e s n
 p l w p b j g b f i m g z q t
 a i o b u m b l e b e e e q y
 y n x o d u z a e y l o w r t
 g a m a x r c h f m t h j h h
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 y o x v t t d h w r l w h e e
 j n g o v x z v f z d g e y p
 e b s h o n e y c o m b u r h

pollination

honeycomb

bumblebee

honeybee

stinger

pollen

waggle

flower

honey

larva

nectar

hive

wasp

bees

pupa

wax

Works consulted for facts: National geographic and PebbleGo

Illustrations by : Manya Saxena