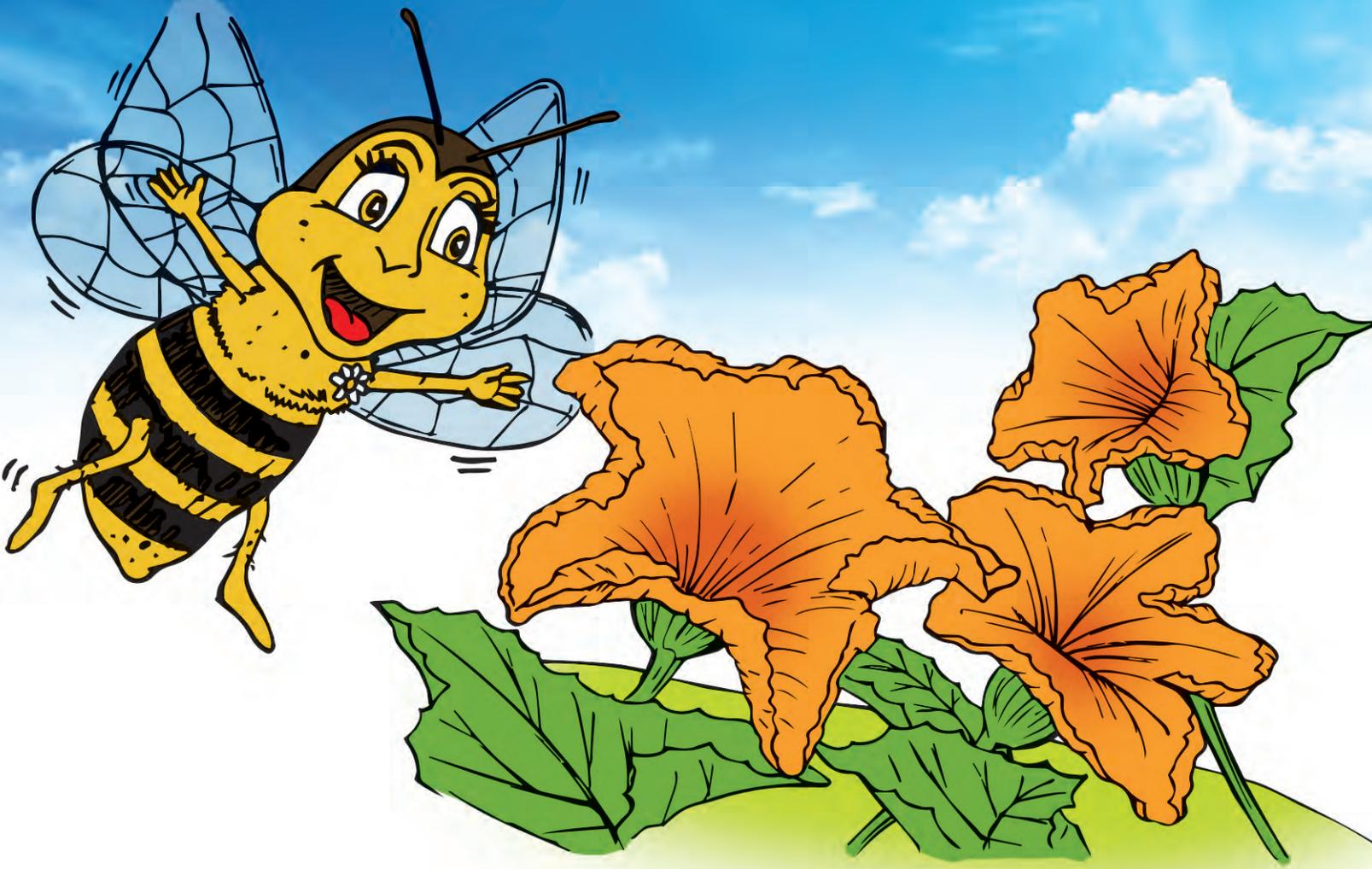


Agriculture 
in the Classroom

Blossom's

Activity Book



 CANADIAN
AGRICULTURAL
PARTNERSHIP

NEWFOUNDLAND & LABRADOR
FEDERATION OF
AGRICULTURE 

 Newfoundland
Labrador

Canada 

The Buzz About Bees!

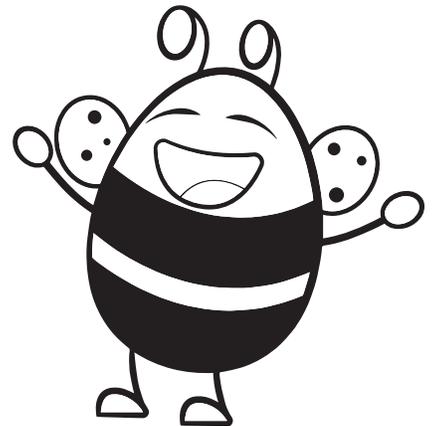
1. Nectar is a sugar-rich liquid produced by plants and is found in their flowers and blossoms. Bees collect nectar and make it into honey.
2. While collecting the nectar, bees transfer pollen (powdery substance) from male flowers to female flowers. This is called “pollination”, a task that is vital to the survival of agriculture. In fact, one third of our global food supply is pollinated by bees.
3. Bees have two stomachs - one stomach for eating and another special stomach is called the “honey stomach” for storing nectar collected from flowers so that they can carry the nectar back to their hive.
4. A single worker bee produces about 1/12th of a teaspoon of honey in her lifetime, which is five to six weeks.
5. It takes 22,700 bees to fill a single jar of honey. A single jar of the honey you buy in a store requires a million flower visits!
6. A hive or colony has only one queen bee and up to 60,000 bees, 2,000 of which are drones, and the rest are worker bees. Male bees are called drones and female bees are called workers.
7. Bees fly about 88,500 kilometers to make just one pound of honey - 2.2 times around the world!
8. Bees are fabulous flyers. They fly at a speed of around 25 kilometers per hour, and beat their wings 200 times per second!
9. Honey bees communicate by performing their ‘waggle dance’. When the worker returns to the hive, it moves in a figure eight and waggles its body to indicate the direction of a new food source.
10. We can all do our part to support bees by planting flowers and herbs rich in nectar, such as lavender, forget-me-nots, bluebells, chives, onions, lemon balm, mints, and fruit trees.

Thank you to Canada
Agriculture and Food
Museum for use of the
worksheets in this book.



Bee Funny!

- 1) **Why did the bee get married?**
Answer: Because he found his honey.
- 2) **What do you call a wasp?**
Answer: A Wanna-bee!
- 3) **What is a bee's favorite part of a relationship?**
Answer: The Honeymoon period.
- 4) **What kind of bee is a sore loser?**
Answer: A Cryba-bee.
- 5) **Why did the bee go to the barbershop?**
Answer: To get a buzz-cut.
- 6) **What is a bee's favorite sport?**
Answer: Rug-bee.
- 7) **What did the bee say to the naughty bee?**
Answer: Bee-hive yourself!
- 8) **What did the bee say to the other bee in summer?**
Answer: Swarm here, isn't it?
- 9) **What does a bee style her hair with?**
Answer: A Honeycomb.
- 10) **What do you call a bee that has had a spell put on her?**
Answer: Bee-witched.
- 11) **Where does the bee get the bus?**
Answer: A buzz stop.
- 12) **What do you call bees buzzing in unison?**
Answer: Stingalongs.



Recipes

Honey Fruit Smoothie

Ingredients:

- 2 cups frozen mixed berries (substitute with fruit of your choice)
- 3 tablespoons of honey
- 2 cups of plain yogurt (substitute with flavoured yogurt if desired)

Directions:

- Place frozen fruit in blender first, then add honey and yogurt
- Blend all ingredients until they are well combined

Honey Cinnamon Muffins

Ingredients:

- 2 cups flour
- 1/2 cup sugar
- 3 teaspoons baking powder
- 1 teaspoon cinnamon
- 1/2 teaspoon salt
- 1 egg
- 1 cup milk
- 1/4 cup butter, melted
- 1/4 cup honey



Directions:

- Preheat oven to 400 degrees F
- Combine the flour, sugar, baking powder, cinnamon, and salt in a large bowl
- In a separate bowl, whisk the egg, milk, butter, and honey together
- Add egg and milk mixture to the dry ingredients; stir just enough to moisten the dry ingredients
- Grease muffin cups or line with paper muffin cups. Fill cups 3/4 full with batter
- Bake in preheated oven for 12 to 15 minutes or until a toothpick poked in the center comes out clean
- Remove from the muffin tin and serve while warm



Who Am I?

Find the names of the three types of bees in a colony.



I am the mother of the colony.
My abdomen is very long.
I lay more than 1,200 eggs every day.

The Q _ _ _ _

I do all the work in the hive.
I clean, feed, build, fan, guard,
and forage.



The W _ _ _ _



I have extra large eyes and a stout
abdomen. I do not have a stinger or
pollen baskets and I cannot gather
flower nectar using my tongue.
I am a male bee.

The D _ _ _ _

The Bee's Life Cycle

These are the stages in the metamorphosis of a worker bee.
Use the words at the bottom of the page to fill in the blanks.

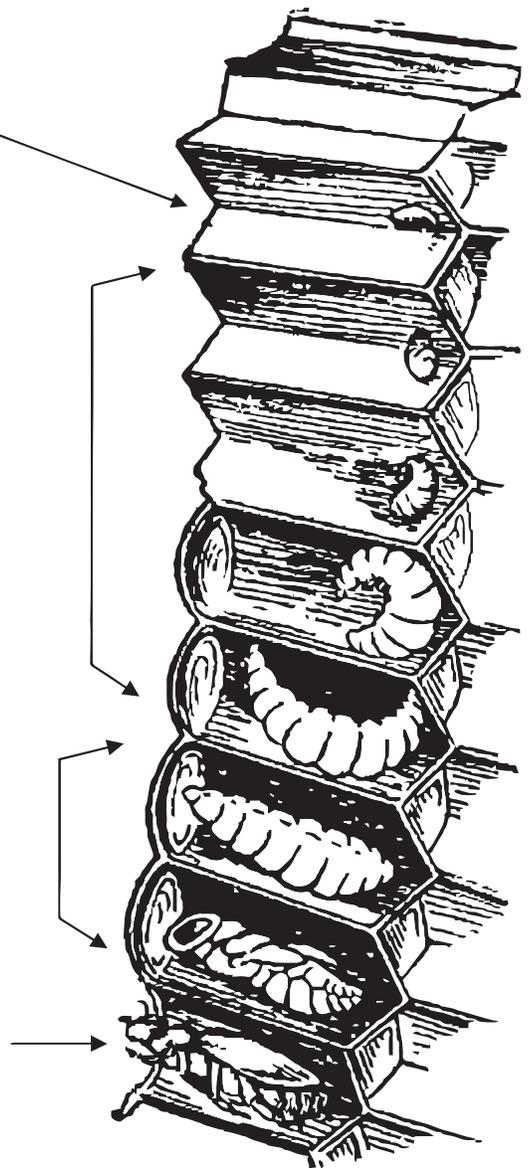
The queen lays an _____
on the bottom of a cell.

The egg hatches. The worker bees
feed the _____

The larva grows and the worker bees
close the cell with beeswax.

The larva spins a cocoon and transforms
into a _____

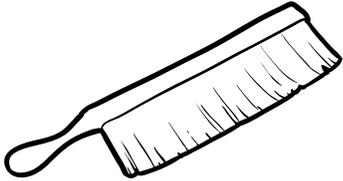
The metamorphosis is complete.
The _____
chews on the wax and leaves its cell.



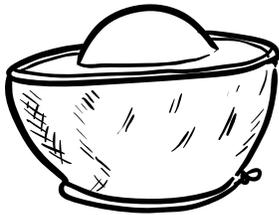
egg bee pupa larva

Beekeeping Tools

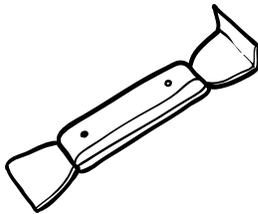
What are these tools used for? Link each tool to the correct description.



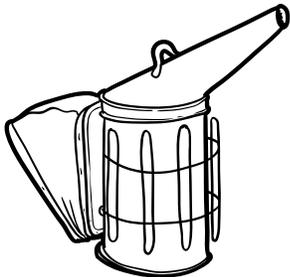
The smoke in the **smoker** calms the bees.



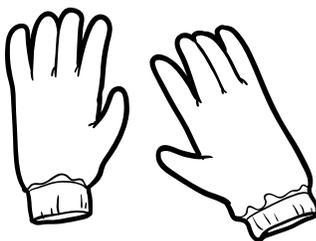
The **hive tool** is used to pry open the hive and separate the frames.



The beekeeper's **gloves** protect hands from bee stings.



The **bee brush** is used to gently sweep the bees from the combs.



The beekeeper's **hat and veil** prevent the bees from flying into the beekeeper's face and hair.

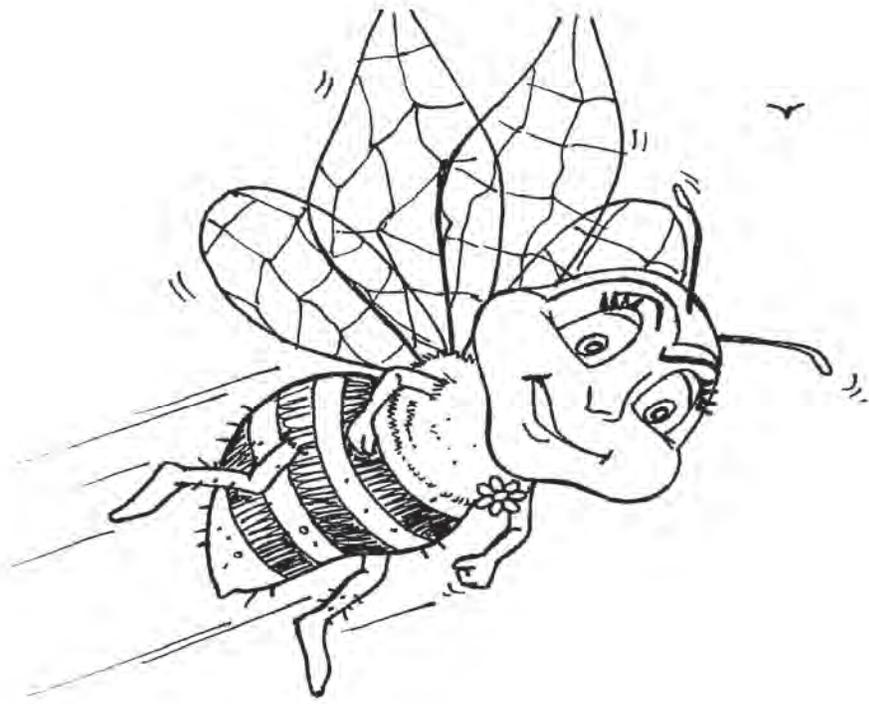
Maze

Help the bee find its hive. Watch out for the skunk and the spider!



The Beekeeper At The Bee Yard

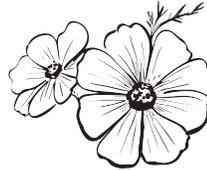




Word Scramble

Put the letters into the correct order.

loefrw _____



ebe _____



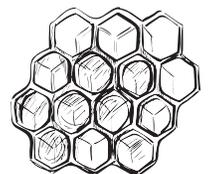
ivhe _____



bekeeeepr _____



ohnyemcob _____



Word Search

W	C	O	L	O	N	Y	H	I	V	E
A	B	D	A	N	C	E	E	E	G	S
T	F	L	Y	I	N	G	R	N	Q	M
E	H	O	N	E	Y	E	I	D	U	O
R	B	E	A	R	K	P	N	R	E	K
L	S	U	N	R	E	E	N	O	E	E
A	W	K	O	E	L	B	E	N	N	J
R	A	W	K	L	M	E	C	E	P	A
V	X	E	O	O	E	G	T	F	U	R
A	E	P	C	E	P	G	A	A	P	E
B	F	L	O	W	E	R	R	N	A	R

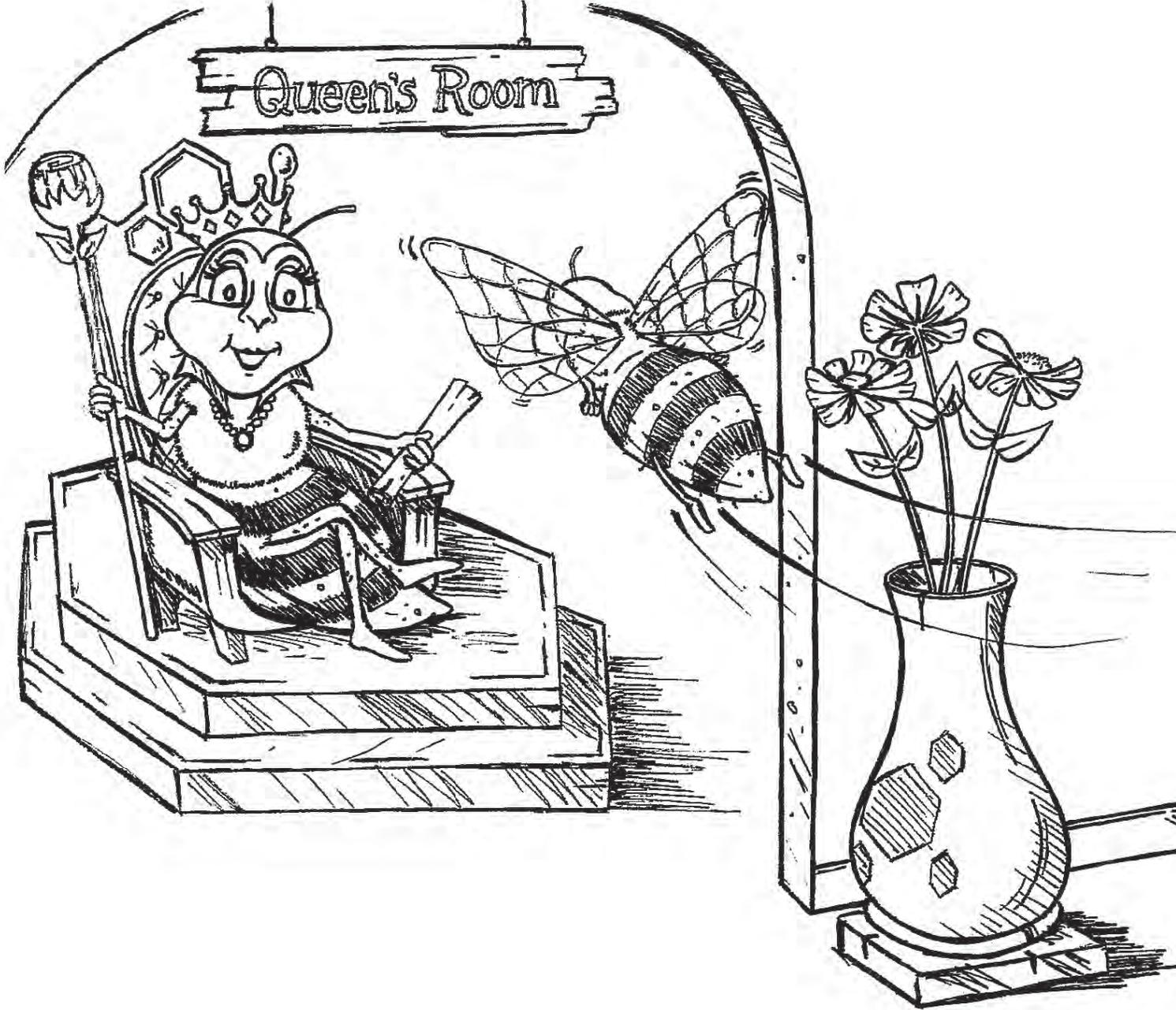
Words to find:

- | | | | | |
|------------|--------|--------|--------|--------|
| bear | drone | hive | pollen | water |
| beekeeping | egg | honey | pupa | wax |
| comb | fan | jar | queen | worker |
| colony | flying | larva | smoke | |
| dance | flower | nectar | sun | |

Use the leftover letters to complete the sentence:

The person that raises and cares for honeybees is called a _____.

Queen's Room







Agriculture 
in the **Classroom**

www.aitc.sk.ca