



espace
pour la
vie montréal



On a Mission for the Monarch

STUDENT'S BOOKLET



mission
monarch

Montréal 

espacepourlavie.ca/en/mission-monarch

Go on a Mission!



YOUR MISSION

- 1. **Find** milkweed.
- 2. **Inspect** the leaves.
- 3. **Note** how many plants you inspect and how many eggs and caterpillars you find.
- 4. **Share** your observations with the *Mission Monarch* team.
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-



Go on a Mission!

QUESTION:


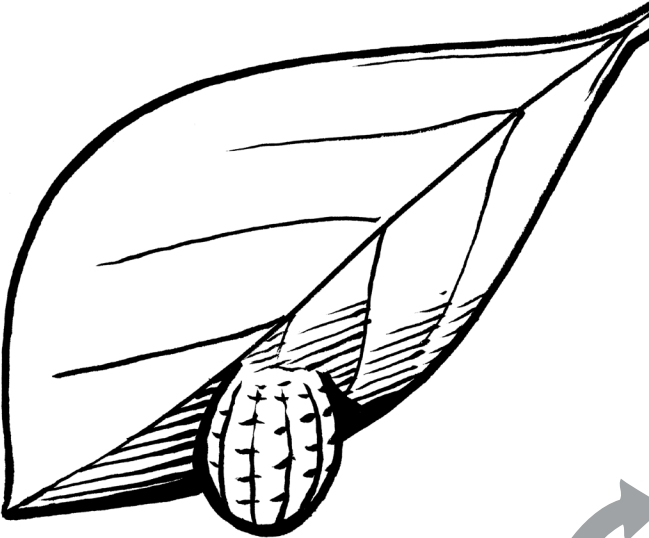


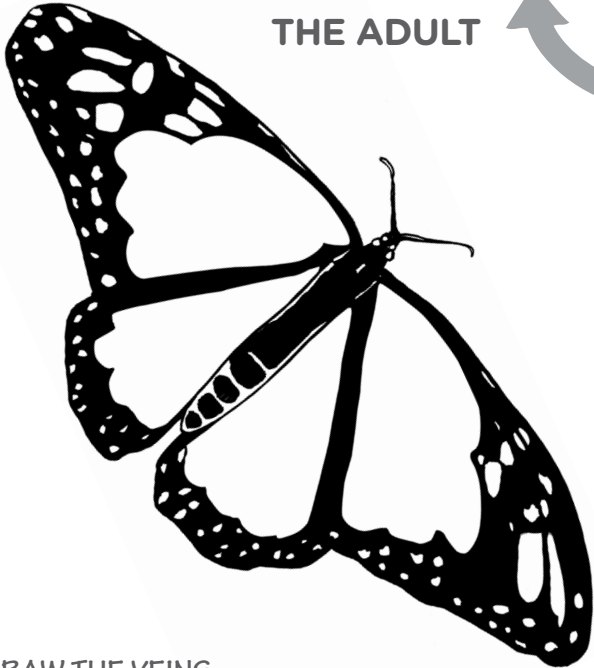



HYPOTHESES:

I think...



Becoming a Specialist

LIFE CYCLE

<p> COLOR THE EGG.</p>  <p>THE EGG</p>	<p> DRAW THE TENTACLES.</p>  <p>THE CATERPILLAR</p>
<p>THE ADULT</p>  <p> DRAW THE VEINS.</p>	<p>THE CHRYSALIS</p>  <p> DRAW THE STALK.</p>

Vocabulary

 LINK EACH WORD TO ITS DEFINITION.

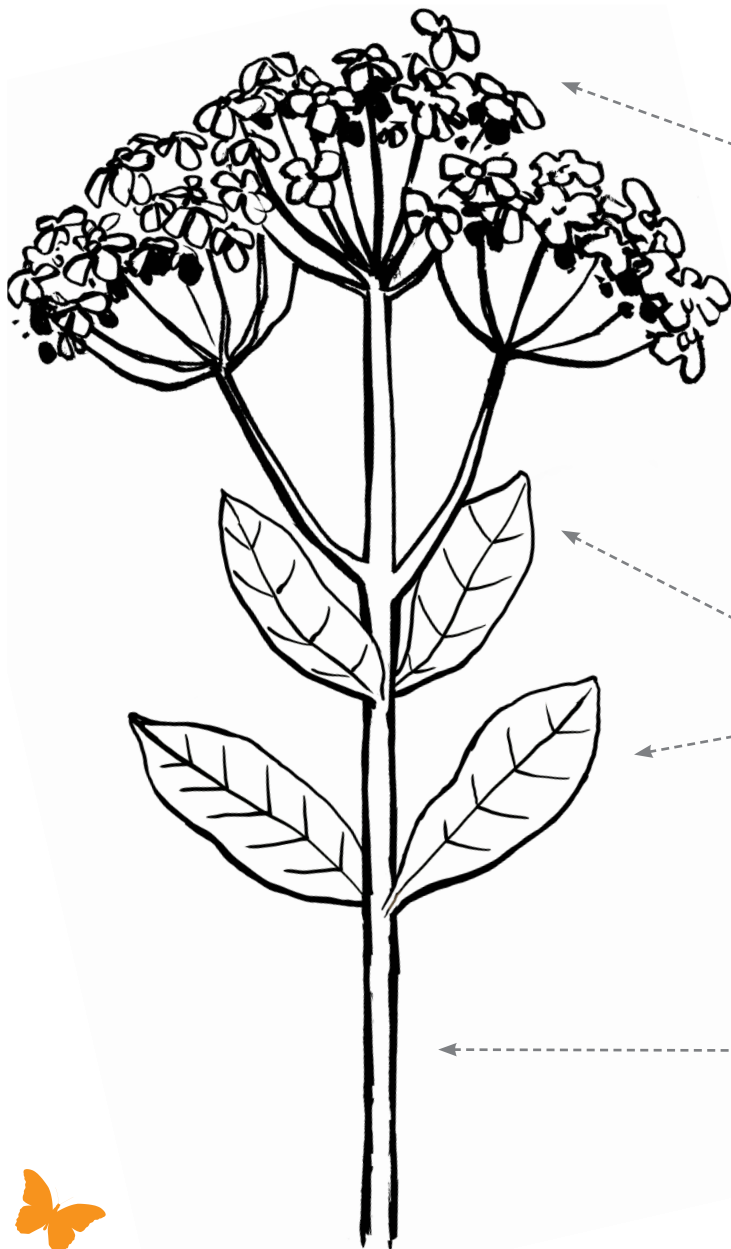
CATERPILLAR	Sugar-rich liquid produced by flowers.
DIAPAUSE	Place where monarchs gather to spend the winter.
EMERGENCE	In insects, replacement of exoskeleton, or “skin”.
HOST PLANT	To come out of an egg.
LATEX	Plant on which the caterpillar feeds.
MOLTING	White and toxic liquid in milkweed stems and leaves.
NECTAR	Resting period lasting all winter long.
OVERWINTERING SITE	Sensory organs the caterpillar has, looking like antennae.
TENTACLES	To come out of the chrysalis.
TO HATCH	Butterfly baby.



Becoming a Specialist

MILKWEED

 NAME THE PARTS OF THE PLANT.





Becoming a Specialist

ANNUAL CYCLE

 COLOUR:

In **yellow**, the months where there are only **a few** monarchs.

In **orange**, the months where there are **a lot** of monarchs.

In **red**, the months where the number of monarchs is the **highest**.

In **blue**, the months where there are **no** monarchs around.



Becoming a Specialist

QUIZ!

 ANSWER THE QUESTIONS:

QUESTION 1

Which step in the life cycle comes after the caterpillar?

QUESTION 2

There are monarchs on every milkweed plant.
True or false?

True False

QUESTION 3

What do monarch caterpillars eat?

a) milkweed b) nectar c) eggs

QUESTION 4

Monarchs come to Canada to reproduce.
True or false?

True False

QUESTION 5

Where does milkweed grow?

a) on roadsides b) in forests
c) on streambanks d) in fields



LET'S GO ON A MISSION FOR THE MONARCH!

NAME:



PREPARING THE MISSION

WARNING!
THE MONARCH IS ENDANGERED!

YOUR MISSION

<input type="radio"/>
1. Find milkweed.
<input type="radio"/>
2. Inspect the leaves, on top and underneath.
<input type="radio"/>
3. Note how many plants you inspect and how many eggs and caterpillars you find.
<input type="radio"/>
4. Share your observations with the <i>Mission Monarch</i> team.
<input type="radio"/>
Ready? Let's go!
The <i>Mission Monarch</i> team
<input type="radio"/>



TAKE ACTION



MY TEAM'S OBSERVATIONS

NUMBER OF MILKWEED OBSERVED

NUMBER OF CATERPILLARS FOUND

NUMBER OF EGGS

NUMBER OF CHRYSALISES

NUMBER OF ADULTS

MY CLASS'S OBSERVATIONS

SUM OF MILKWEED OBSERVED

SUM OF CATERPILLARS FOUND

SUM OF EGGS

SUM OF CHRYSALISES

SUM OF ADULTS

Based on this information, I can say that:



GOING BACK TO MY HYPOTHESIS

My initial question was...

My hypothesis was...

Was my hypothesis true? Why?

I can formulate a new hypothesis:



Let's play!

GET YOUR PENCIL CRAYONS!



IMAGINE A FUNNY-LOOKING BUTTERFLY
IN ITS OVERWINTERING SITE IN MEXICO.

A large, empty rectangular box with a thin black border, intended for drawing a funny-looking butterfly in its overwintering site in Mexico.