espace pour la vie montréal

On a Mission for the Monarch

STUDENT'S BOOKLET

Montréal

mission-monarch.org

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.

Go on a Mission!

QUESTION:

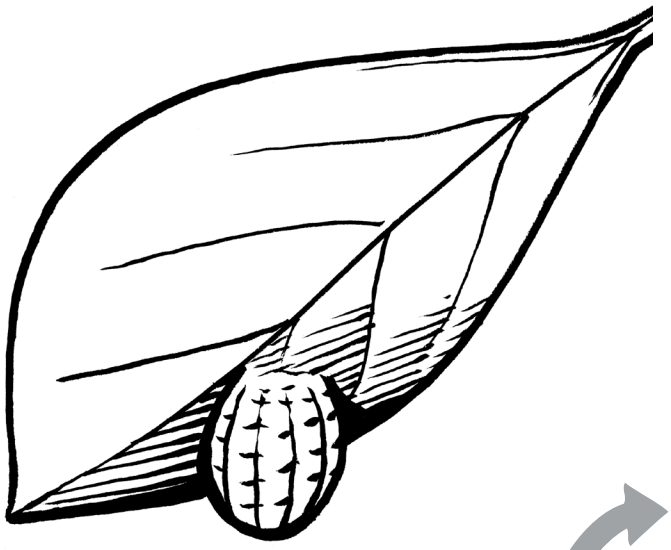
HYPOTHESES:

I think...

Becoming a Specialist

LIFE CYCLE

COLOR THE EGG.

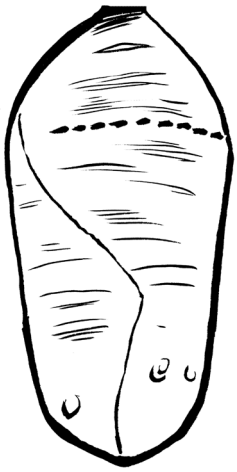


THE EGG

DRAW THE TENTACLES.

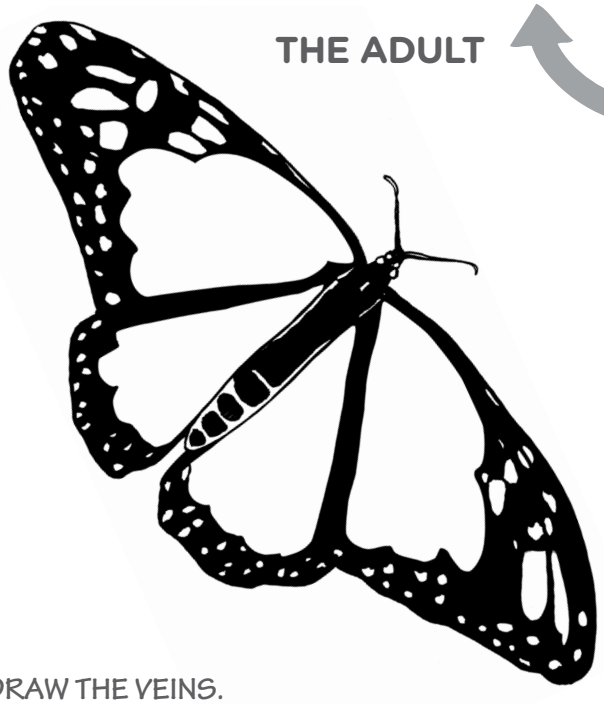
THE CATERPILLAR

THE CHRYSALIS



DRAW THE STALK.

THE ADULT



DRAW THE VEINS.

Vocabulary

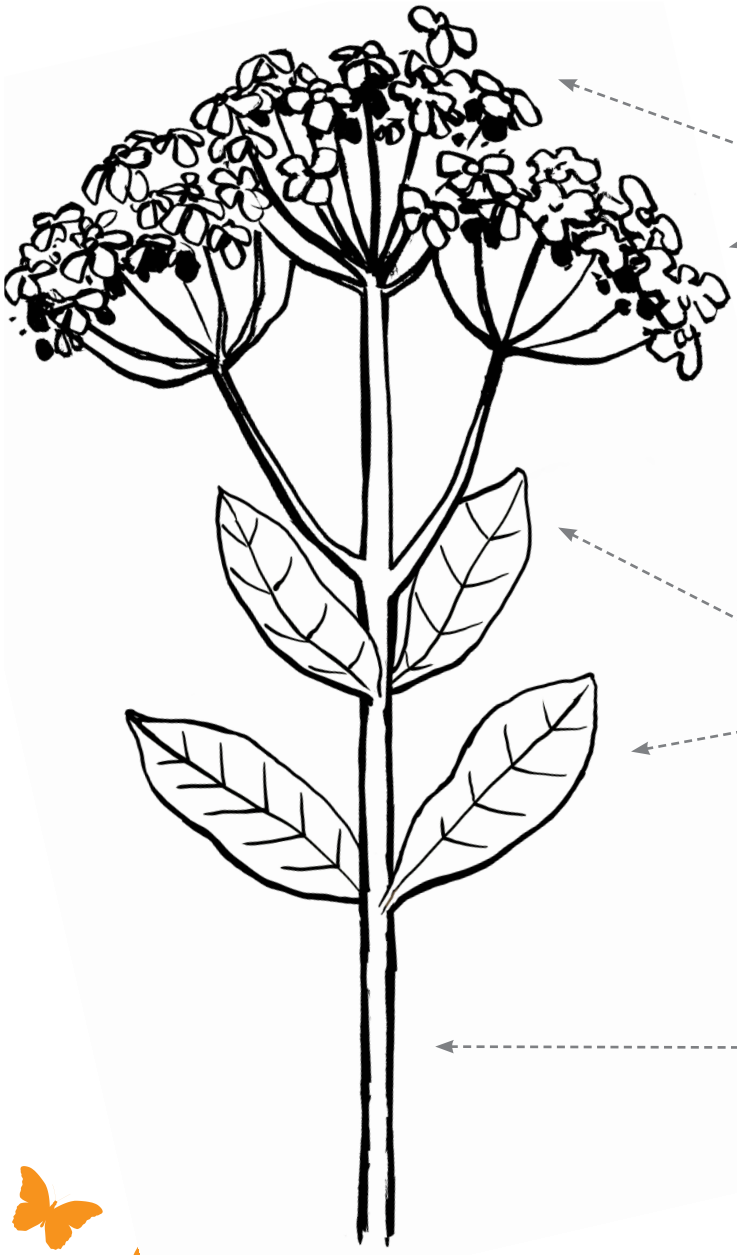
LINK EACH WORD TO ITS DEFINITION.

CATERPILLAR	Sugar-rich liquid produced by flowers.
DIAPAUSE	Place where monarchs gather to spend the winter.
EMERGENCE	In insects, replacement of exoskleleton, 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 antennas.
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: .....

mission monarch

PREPARING THE MISSION

WARNING!
THE MONARCH IS ENDANGERED!

YOUR MISSION

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

Ready? Let's go!
The *Mission Monarch* team

mission monarch

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.

Mission Monarch, being run by the Space for Life Insectarium, is a community science program documenting the monarch's reproductive success.

The program is part of an international research and education effort aimed at saving the migratory populations of this endangered species.

THANKS TO ALL OF OUR PARTNERS

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Cover photo: André Sarrazin