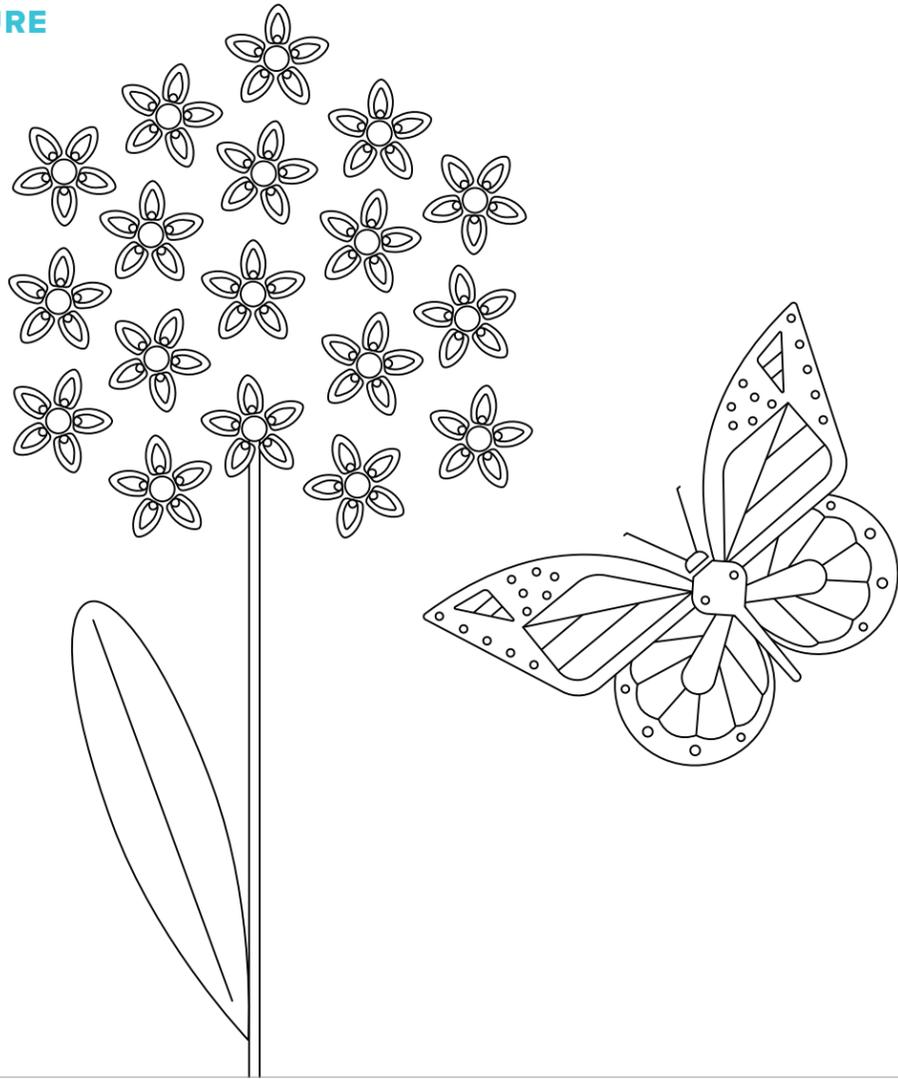


COLOR THIS PICTURE



Metropolitan Water Reclamation District of Greater Chicago

STEAM ACTIVITIES

Save the Monarch Butterfly



SUGGESTED LEARNING LEVEL:
4th - 6th

FREE
Milkweed Seeds

Cook County Parents/ Educators/ Friends: **Join us in our efforts by planting milkweed.**

While supplies last, we will send you a complimentary packet of milkweed seeds (available to Cook County residents only) when you complete and submit an online pledge.

Visit mwrld.org for more information.

WARNING. Harmful if ingested. Keep out of reach of children and pets.

ANSWER KEY

WORD UNSCRAMBLE: egg, caterpillar, chrysalis, butterfly

WORD FIND

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

SOLVE THE PROBLEMS: monarch, butterfly's, life, waystation, shelter

Metropolitan Water Reclamation District of Greater Chicago



PHOTO CREDITS Cover: M. Dean Hawk, Unsplash; Interior: caterpillar and chrysalis: Joshua J. Cotten, Unsplash; monarch egg: Lorie Shaull; monarch butterfly: Skyler Ewing, Pexels.

INSIDE

Learn facts about the monarch butterfly.

Find out how to save this beautiful insect.

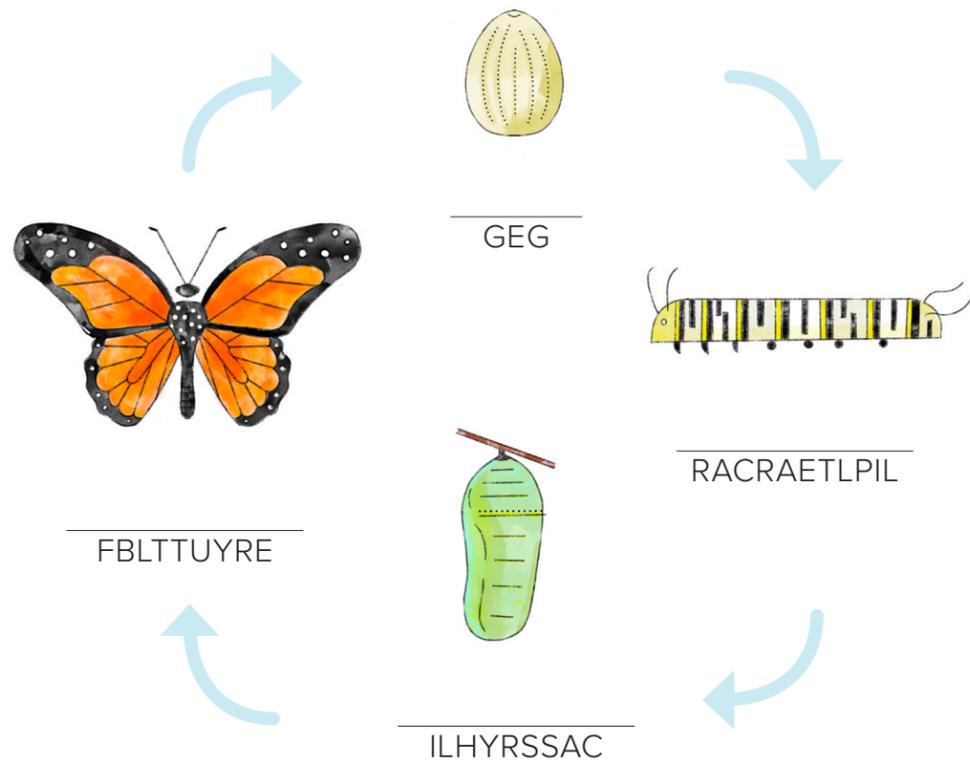
Complete fun STEAM activities.

Similar to other insects, the monarch butterfly has several life forms and stages before it reaches adulthood. The monarch has four different life stages:

- ovum/egg
- larva/caterpillar
- pupa/chrysalis
- adult butterfly

MONARCH BUTTERFLY LIFE CYCLE WORD SCRAMBLE

Unscramble the words below and write the answers on the lines.



▲ A monarch egg about to hatch.

The female monarch butterfly lays its eggs on milkweed plants and when the caterpillars emerge, this plant is their sole source of food as they grow into adults. After a few weeks the caterpillars enter the pupa stage and produce a chrysalis. They appear days later as spectacular monarch butterflies!

These new adult butterflies continue the migratory journey, feeding on diverse flowering plants for nourishment. Cook County is part of the monarch butterfly's annual migration route from Mexico to Canada and back, providing a stopover or visit to native milkweed species.

New studies suggest that monarch butterfly populations have rapidly declined due to habitat loss and global climate change, resulting from development, poor land management practices, and threats from pesticides.



▶ This monarch caterpillar is enjoying milkweed leaves.

WORD FIND

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



▶ You can see the monarch butterfly growing inside its chrysalis!

Find these words from the previous summary.

- | | |
|------------|----------------|
| Milkweed | Caterpillar |
| Butterfly | Journey |
| Plants | Climate Change |
| Pesticides | Chrysalis |

SOLVE THE PROBLEMS.

Then fill in the boxes with the correct answers. Use the letters that match the answers to complete the sentences.

- | | | | |
|----------------|-----------------|----------------|----------------|
| 3 x 2 = ____ m | 3 x 12 = ____ c | 6 x 2 = ____ e | 3 x 3 = ____ s |
| 5 x 3 = ____ n | 4 x 7 = ____ a | 4 x 0 = ____ f | 4 x 4 = ____ l |
| 4 x 1 = ____ r | 9 x 2 = ____ o | 2 x 1 = ____ y | 5 x 5 = ____ t |
| 6 x 4 = ____ h | 10 x 8 = ____ ' | 1 x 1 = ____ i | 1 x 7 = ____ w |
| 2 x 5 = ____ b | 8 x 4 = ____ u | | |

Planting milkweed helps to expand the _____ habitat, which is essential to its _____ cycle.

MWRD's Stickney Water Reclamation Plant was recently certified with a monarch _____ by the Monarch Watch program because staff _____ have planted milkweed, nectar sources and provided _____ to foster a thriving habitat for the monarch butterfly and other species.

Like many native plants, milkweed has an extensive root system that can help reduce flooding and improve water quality.

