

The background of the entire graphic is a photograph of two monarch butterflies with their characteristic orange and black wings, perched on green milkweed plants with clusters of small pink flowers. The scene is set outdoors with a dense green forest in the background.

YOU CAN BE NATURE HEROES

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MUNICIPALITY OF
NORTH
Cowichan

Spot the Differences



Weather

vs.

Climate

- Short term
- Changes daily
- Examples:
 - Sunny
 - Rain
 - Snow



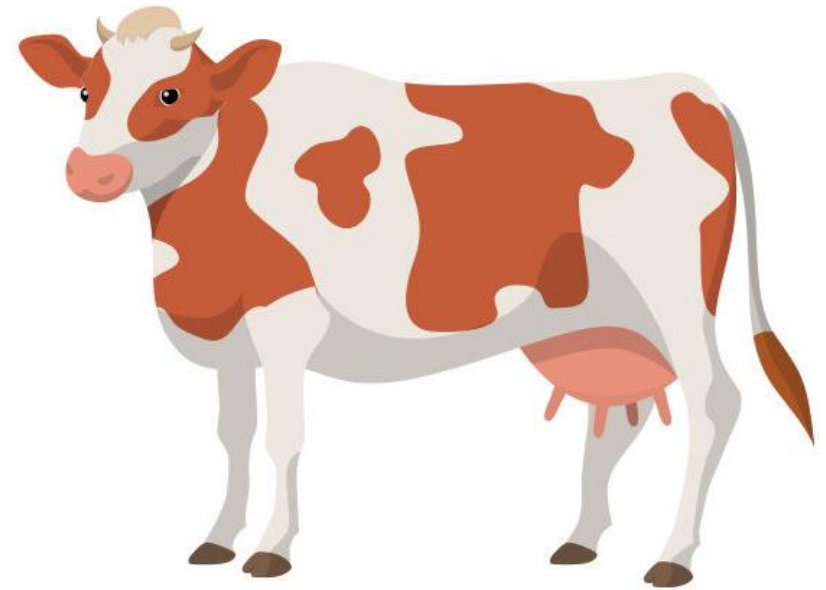
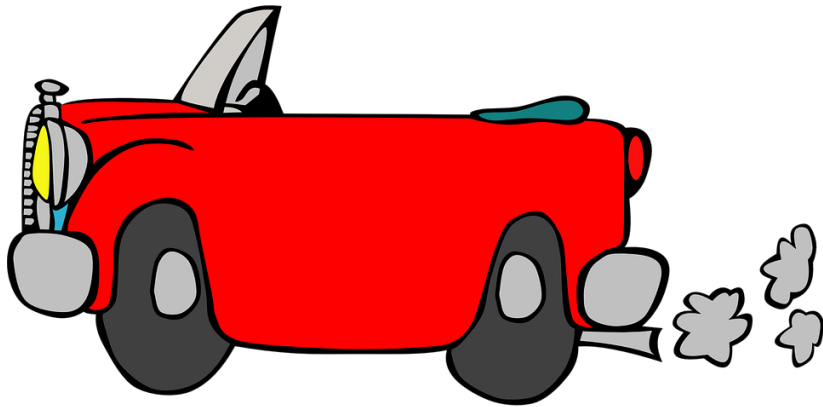
- Long term
- Changes with seasons
- Weather patterns in a certain place
- Examples:
 - Tropical: Hot, rainy
 - Desert: Hot, dry



Climate Change



What Causes Climate Change?

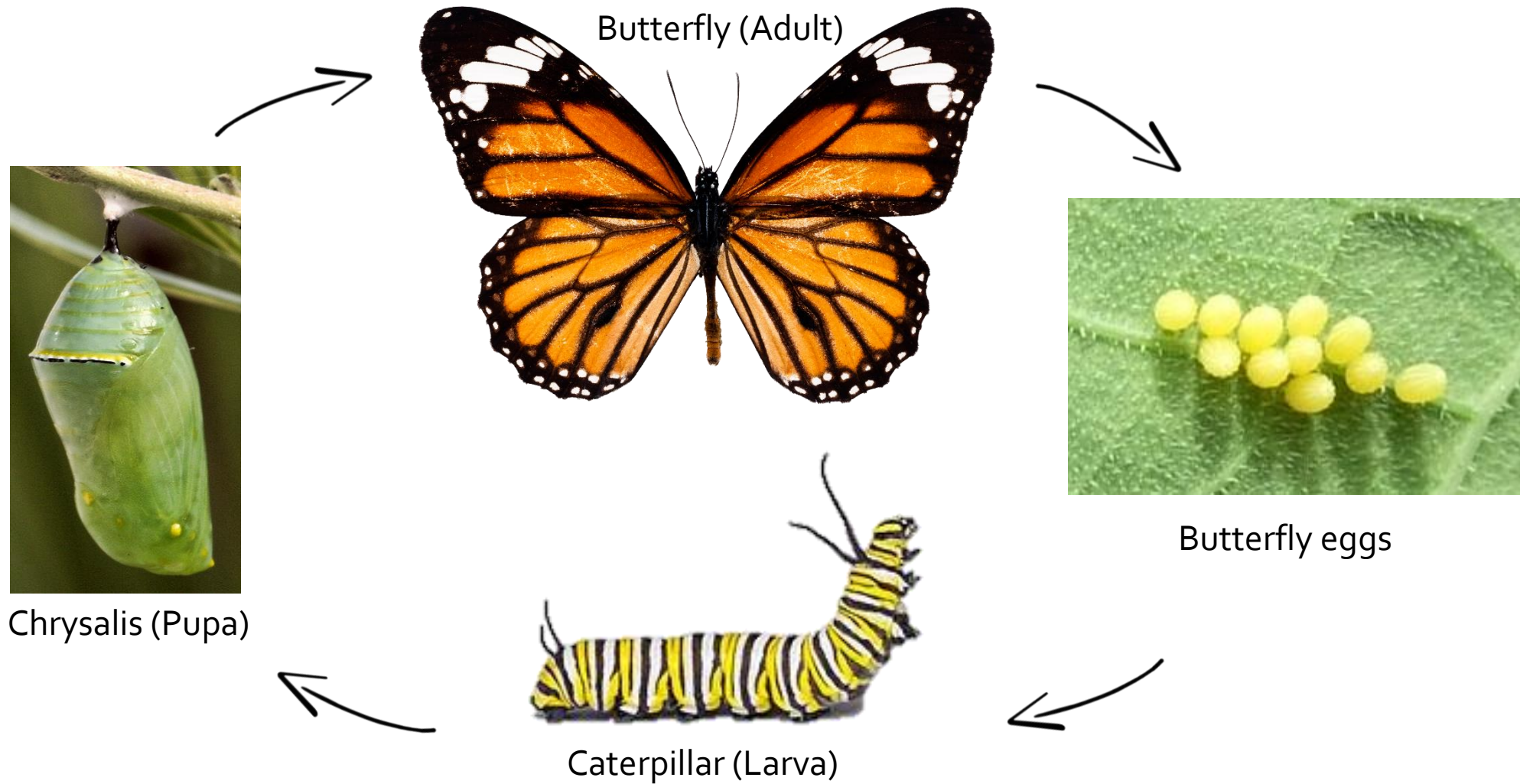


Monarch Butterflies

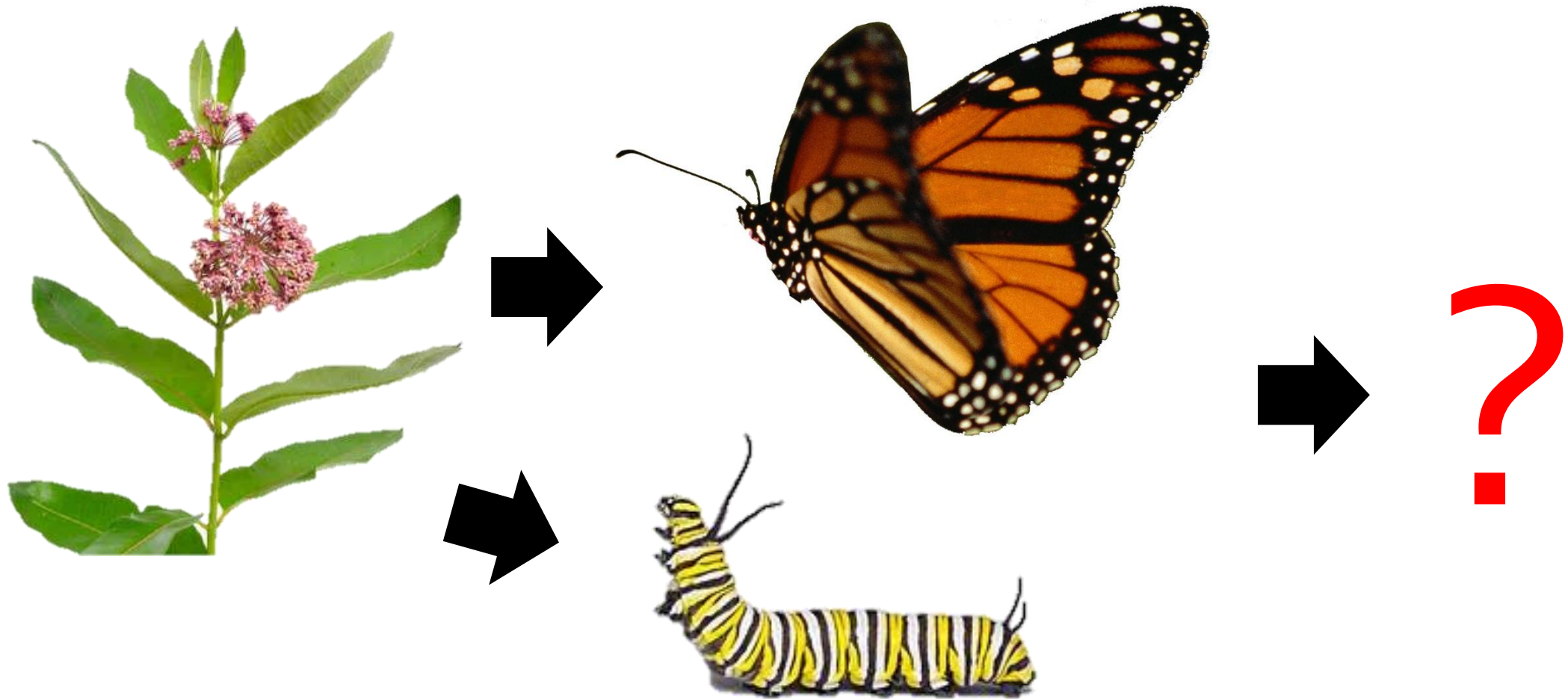


- *What do they look like?*
 - Orange wings with black lines and white dots
- *Where do they live?*
 - Flower meadows in spring/summer
 - Migrate south (Mexico) during winter
- *What do they do?*
 - Lay eggs in spring/summer
 - Hibernate in fall/winter in Mexico
 - Fly back north to lay eggs
- *What do they eat?*
 - Milkweed leaves when caterpillars
 - Flower nectar when butterflies

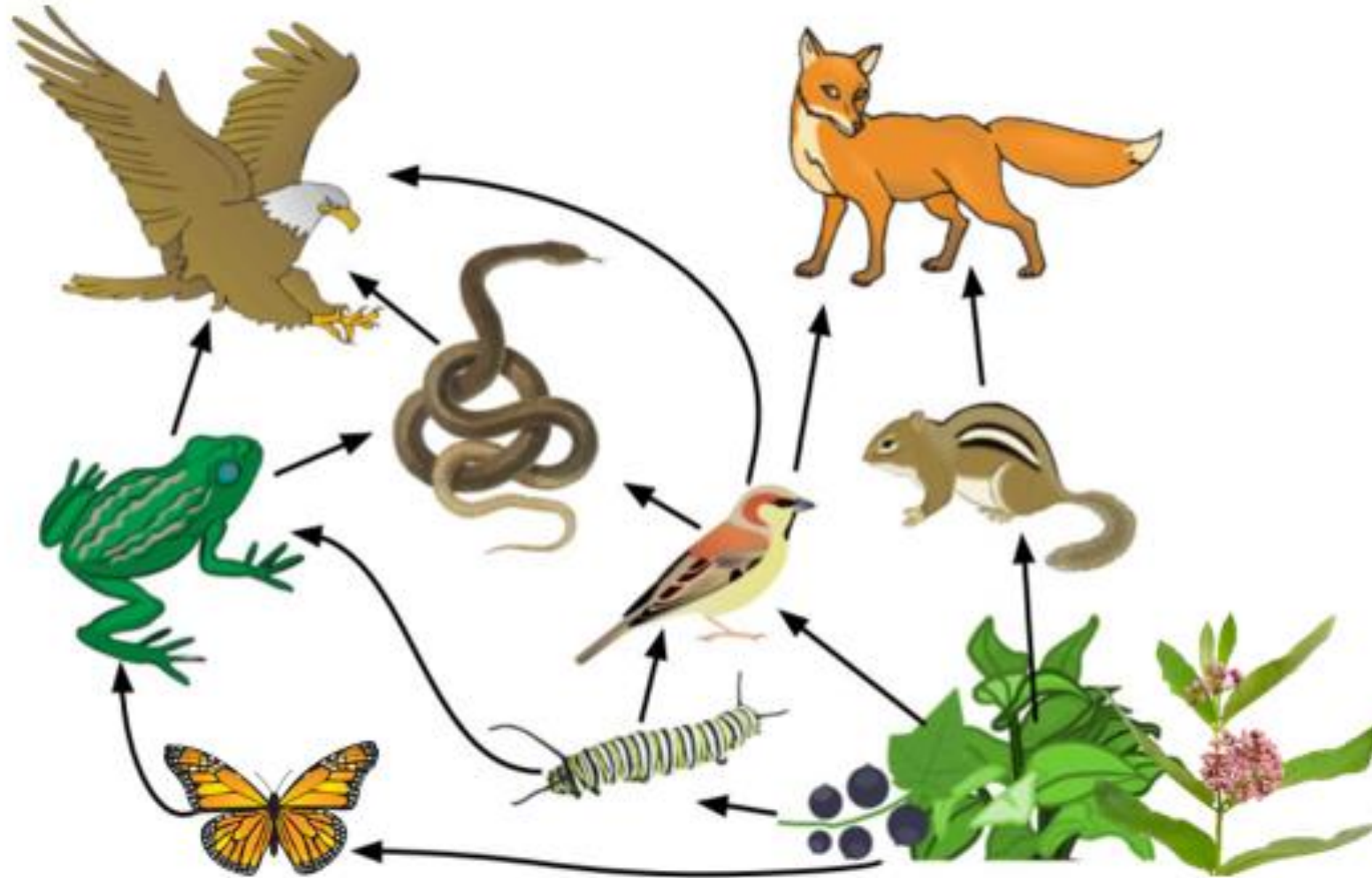
Monarch Butterfly Life Cycle



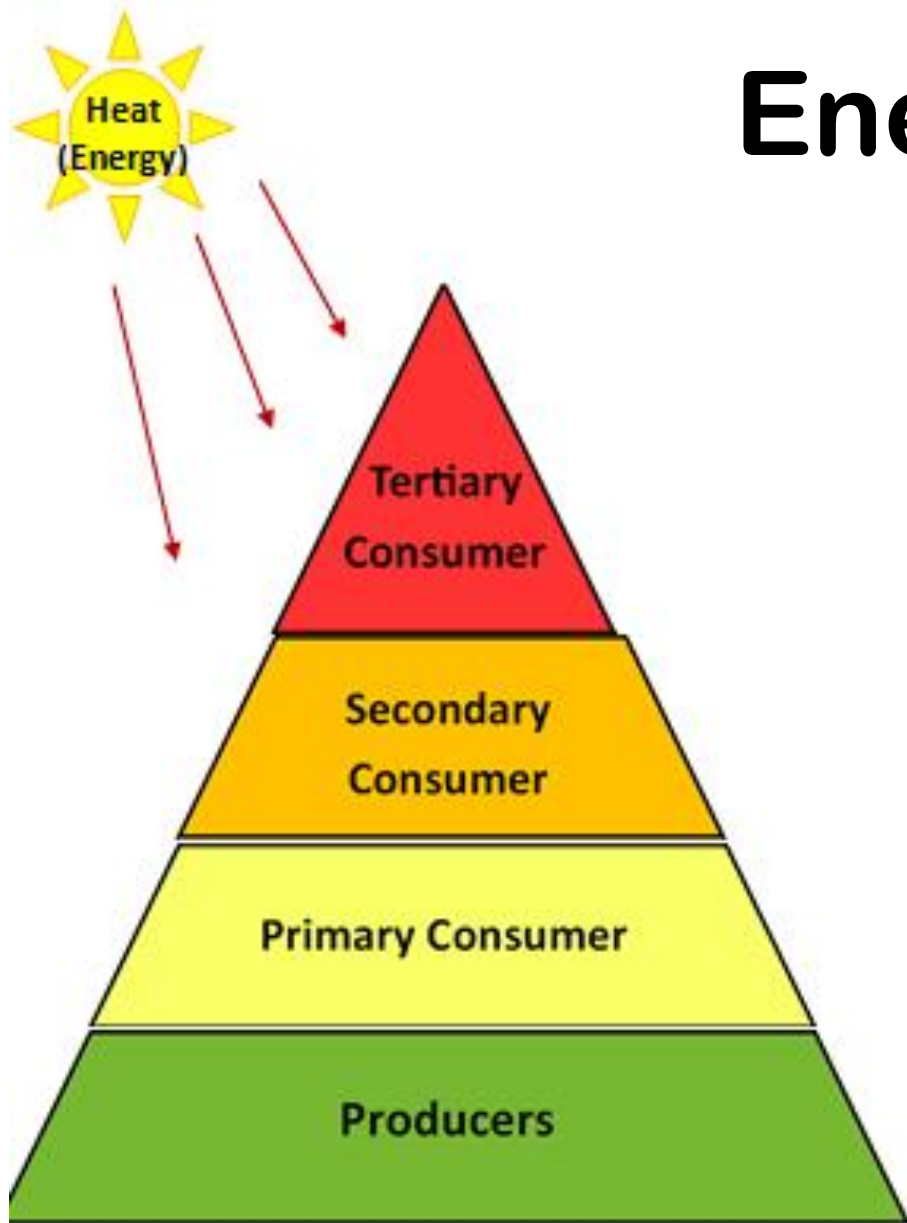
Monarch Butterfly Food Chain



Monarch Butterfly Food Web



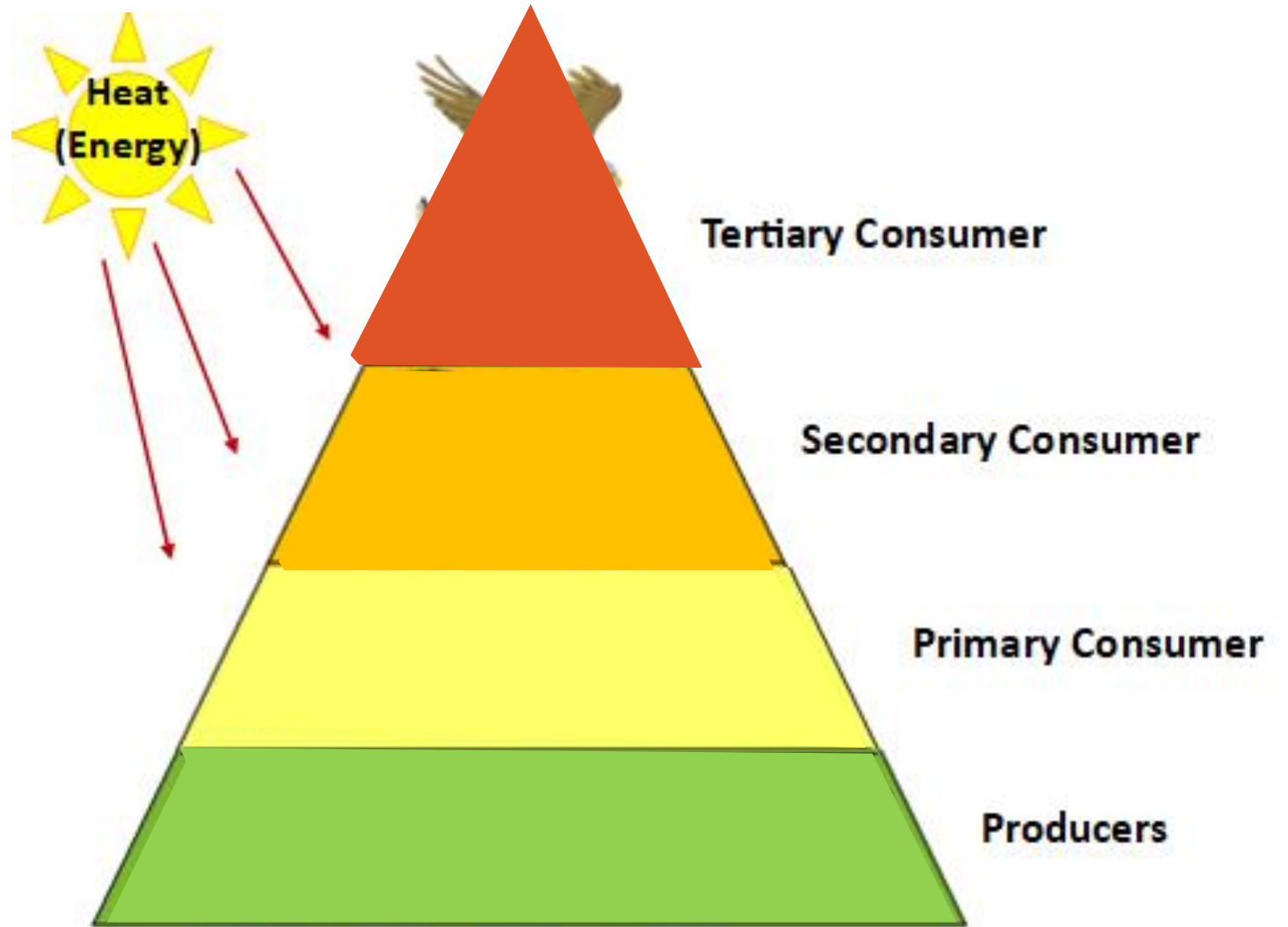
Energy Pyramid



- Producers: Plants that create their own food from the sun
- Primary Consumers: herbivore species that only eat plants
- Secondary Consumers: omnivore species that eat plants and animals or sometimes carnivores
- Tertiary Consumers: usually carnivore species that only eat animals

Monarch Butterfly Energy Pyramid

1. Plants
2. Monarch Caterpillar
3. Monarch Butterfly
4. Bird
5. Chipmunk
6. Snake
7. Frog
8. Fox
9. Bald Eagle



Climate Change and Monarchs

High temperature causes:

- Less eggs hatched
- Not enough milkweed
- Lower survival rate during migration
- Extreme storms lower survival when hibernating



What's an Endangered Species?

- Animals that could become extinct!
- What does extinct mean?
- Scientist give animals these labels when they need extra protection from climate change
- People can stop animals from going extinct (YAY)



How can we Help?

- Walk, bike, carpool or take the bus to school
- Plant milkweed plants
- Eat more veggies
- Stay on trails when hiking



PSA Contest!

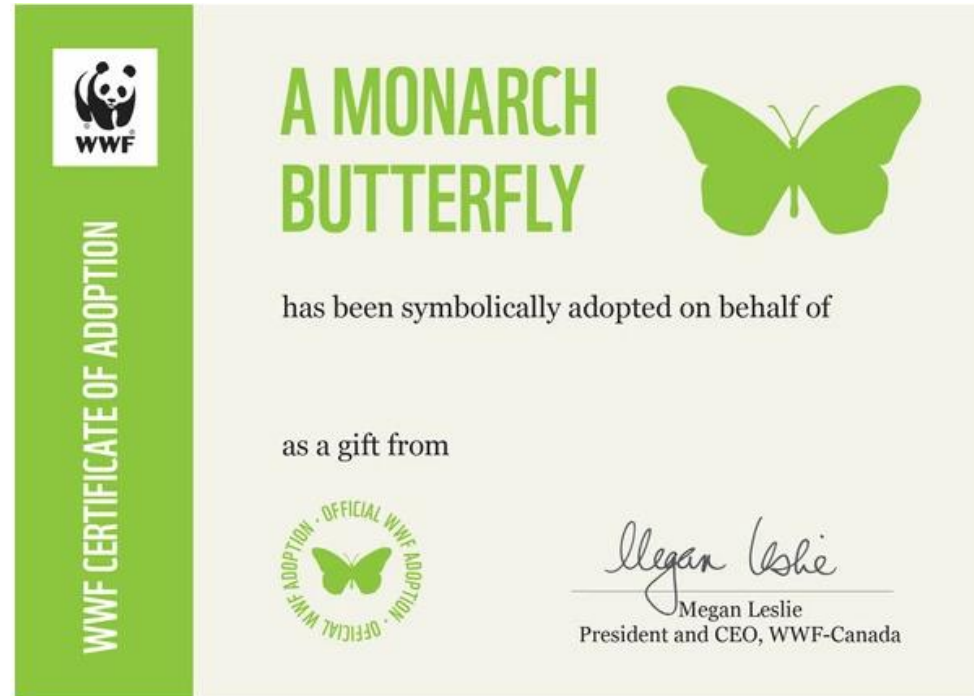
Make a short video talking about a way people can help protect animals **(due May 1, 2022)**

- Pick 1 animal to make your video about
- Pick 1 thing people can do to help protect that animal
- 15-30 seconds in length
- Get creative!

There will be 1 winner for each grade that participates.

And the prize is.....

Animal Adoption Kit!



CONGRATULATIONS ON BECOMING NATURE HEROES!

- Thanks for listening class ! 😊
- Does anyone have any questions?
- Can you tell me your favourite part of our lessons together?

