

What is a Monarch Butterfly?

A monarch butterfly is a _____ migratory orange and black butterfly

Basic Info

- Scientific Name: Danaus Plexippus
- Average Life Span: _____ months
- Weight: .0095-.026 oz (.27-7.5 g)
- Wingspan: 3.7-4.1 in (9.5-10.5 cm)
- Monarchs size is relative to a _____

Life in the Egg Stage

- A female monarch will lay an egg on the underside of a _____ leaf near the top end
- It'll remain there for 3-4 days until it's time to hatch
- Female monarchs will lay an average of _____to _____eggs in her lifetime

Life in the Larval Stage

1. This is a monarch larva that will eat it's _____ then the leaf that is was laid on
2. Once it's done eating it will start to grow bigger and bigger by molting
3. The different pictures from the larvae (1) to full grown

caterpillar (5) are called _____. (left hand picture below)

4. Between each instar, skin is _____ where the skin gets from softer to harder
5. The larval or _____ stage will take from 10 to 14 days

Life in the Pupa Stage

1. The pupal stage is where the real magic is made because the _____ of the Monarch will be complete.
2. Once the caterpillar is fully enclosed, it becomes known as pupae or chrysalis.
3. Pupae are _____ unless they are disturbed.
4. Since they are _____ during this process, their protection is being well-camouflaged
5. This pupa stage lasts from 10-14 days

All Grown Up

- Once the monarchs unravel, they will begin to _____ right away
- Female monarchs will not lay eggs until after their _____ mating
- Monarchs born in _____ will live for about 2-5 weeks
- Monarchs will produce 4 generations over the summer
- The 4th generation are the ones to make the great

migration

Where do Monarchs Migrate?

- Monarchs travel in a large mass of _____
- Monarchs that live in eastern states that's east of the Rocky Mtns. will migrate to _____ and retreat within Oyamel Fir trees.
- Monarchs that live west of the Rocky Mtns. will migrate around Pacific Grove, California and hibernate within Eucalyptus tree.
- Since monarchs _____ food doesn't grow in their overwinter locations, the spring generations have to migrate back North where the plants are plentiful.
- Monarchs butterflies are the only insects to migrate up to 3,000 miles each year

What do they Eat?

- As larvae, they only eat _____ plants
- As adults, they feed on _____ from different kinds of plants
- Some _____ that we consume such as watermelon, bananas, and oranges, they drink right from ponds of water

Male/Female Description

- A male monarch has __ black spots on their veins on each hind wings
- Males appear _____ than females
- A female monarch has _____ on their wings than males
- Females appear _____ than males

Environmental Issues

- The climate change of wetter and colder _____, Monarchs will freeze to death
- Dry winters with _____ temps. monarchs could survive
- A small area in Sierra Nevada of Mexico resides hundreds of _____ of monarchs that could be affected if there's a bad winter
- Illegal logging can result in _____ loss for monarchs including loss of milkweed for their early life stage to survive

Fun Facts!

- If a monarch butterfly's temperature gets below ____ degrees they cannot fly so they will sit in the sun or _____ their wings to warm up.
- Monarchs have a distinct pattern that warns predators that their _____ and foul tasting

Activity

