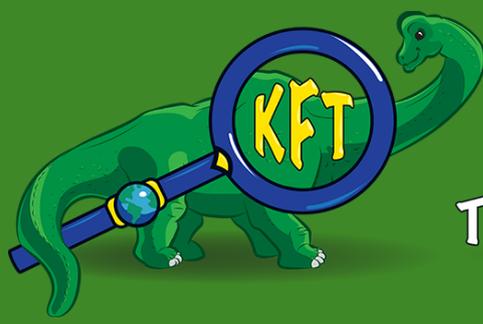


# Botany & Entomology Lessons



# Kids Find Truth The Ultimate Science Club

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## Monarch Butterflies

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*Therefore if any man be in Christ, he is a new creature: old things are passed away; behold, all things are become new.*

*2 Corinthians 5:17*

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*The butterfly is a great example of how something can become new and beautiful, just like when somebody gets saved, they are a new being, in Christ.*

### - The Miracles of Life -

Each fall more than one hundred MILLION monarchs, migrate from all over North America to twelve small groves of firs in a sixty by seventy mile area on a mountain range west of Mexico city. Thats a three THOUSAND mile flight! And they do this having never made the trip before!

Far more incredible then it's migration, the monarchs metamorphosis is something to behold.

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*Watch the video on the Science Club!*  
[kidsfindtruth.com](http://kidsfindtruth.com)

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### - The Awesome Design -

When a butterfly changes from a caterpillar to a chrysalis to a butterfly there are two completely different designs here, one design is for the caterpillar; that's the initial stage, all it does is creep around on the backside of a leaf and it munches and eats all day. With all the eating it increases its size about 250 times! That's all the caterpillar does, but then it goes into the chrysalis and it turns it to liquid, and then it comes out with a totally different design.

What was the butterfly designed to do? Well it was designed to fly of course, but the caterpillar wasn't. It was also designed to drink the nectar form the flowers, but at the same time fertilize the flowers. It was designed to mate and designed to be able to migrate from one country to the other, which adds up to several thousand miles in some cases. So it's designed for specific things, the caterpillar has one thing to do; eat and grow. And the butterfly has several things to do; eat, grow, fertilize, mate, and migrate.

## - The Amazing Change -

All butterflies undergo an amazing transformation during their lifecycle; the insect begins as an egg, then a crawling caterpillar, followed by the pupa stage, during this stage the caterpillar begins to convulse in rhythmic jerks, breaking off its outer skin. It's leg's and head capsule are quickly shed giving rise to a chrysalis. Then within the first day the caterpillars organs disintegrate into a soupy liquid, miraculously after one to two weeks a complex winged butterfly emerges. This metamorphosis takes place in a matter of days, not millions of years! The adult butterfly now has six segmented legs and antennas, a specialized feeding tube, amazing compound eyes, complex reproductive organs, and four ornate wings. The caterpillar had none of these features. Clearly the genetic instructions for all these stages were programmed into the insect by the Creator from the beginning.



Egg



Caterpillar



## - How is it Possible? -

Everything about this creature is unexplained by evolutionary processes. How does the caterpillar make a chrysalis, dissolve itself into jelly, and come out a butterfly? How could a creature with six simple eyes, which see only in black and white, create two new eyes each made up of six thousand individual lenses, with the ability to see in color? How could a creature with a chewing mouth that eats only leaves, develop a long tongue that sucks only flower nectar? How could a creature with 16 legs produce completely different shaped legs and wings? How could this have happened by chance, when any flaw along the way, would have produced death?! All this shows that The Master Engineer designed this incredible system! The caterpillar silts itself into a chrysalis, resolves itself into jelly, and emerges as a butterfly. How did it do this? Well, it's in its genetic code, called DNA! Every butterfly has it, pre-programmed to become a butterfly and no one will be able to explain it or repeat it.



Chrysalis



Butterfly

## - Questions -

1. How many monarchs migrate each year \_\_\_\_\_

2. Name the four stages of a monarchs life

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

d. \_\_\_\_\_

3. What was the caterpillar designed to do? \_\_\_\_\_

4. What was the butterfly designed to do? \_\_\_\_\_

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5. Is the butterfly proof that evolution could happen? \_\_\_\_\_

## - Fun Facts -

~ The caterpillar makes a chrysalis,

~ Dissolves itself into jelly,

~ And comes out a butterfly!

~ Six eyes turn to 2 new eyes that see in color!

~ They have 6,000 lenses!

~ 16 legs become 6, with 4 wings!

~ They fly 3,000 miles!

~ Develops from chewing mouth to sucking tongue!

# - Monarch Word Search -

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

MONARCH  
CATERPILLAR  
EGGS  
CHRYSLIS  
PUPA  
BUTTERFLY  
LARVA  
MIGRATE  
CREATOR  
DNA



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