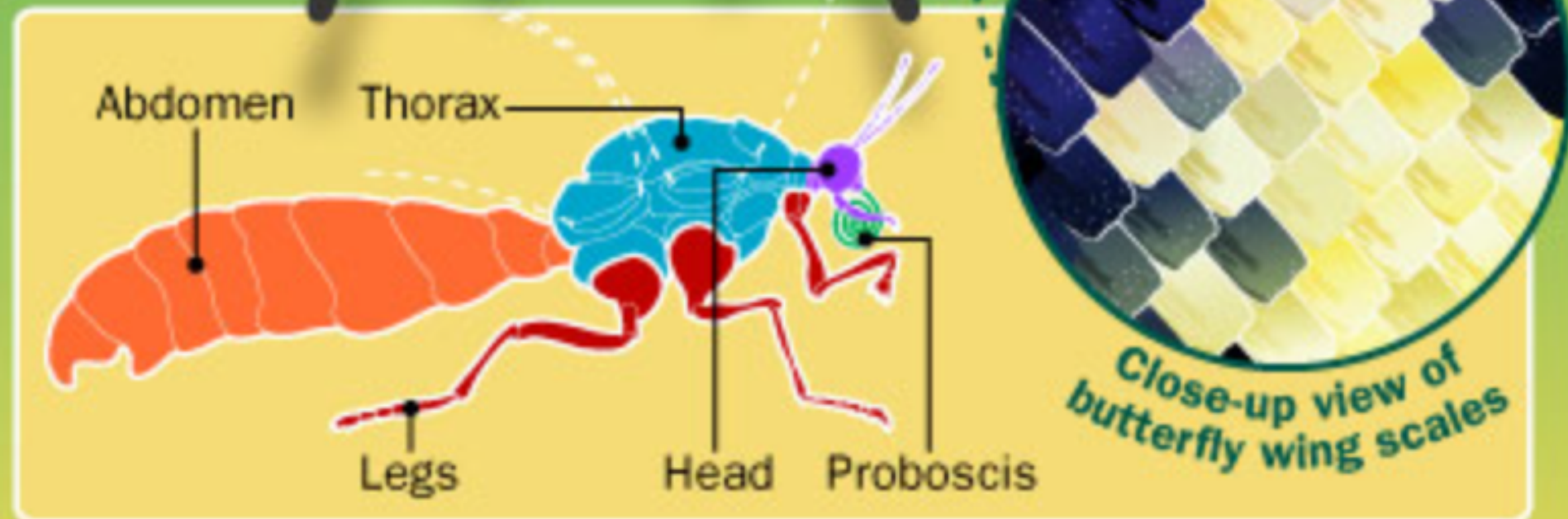


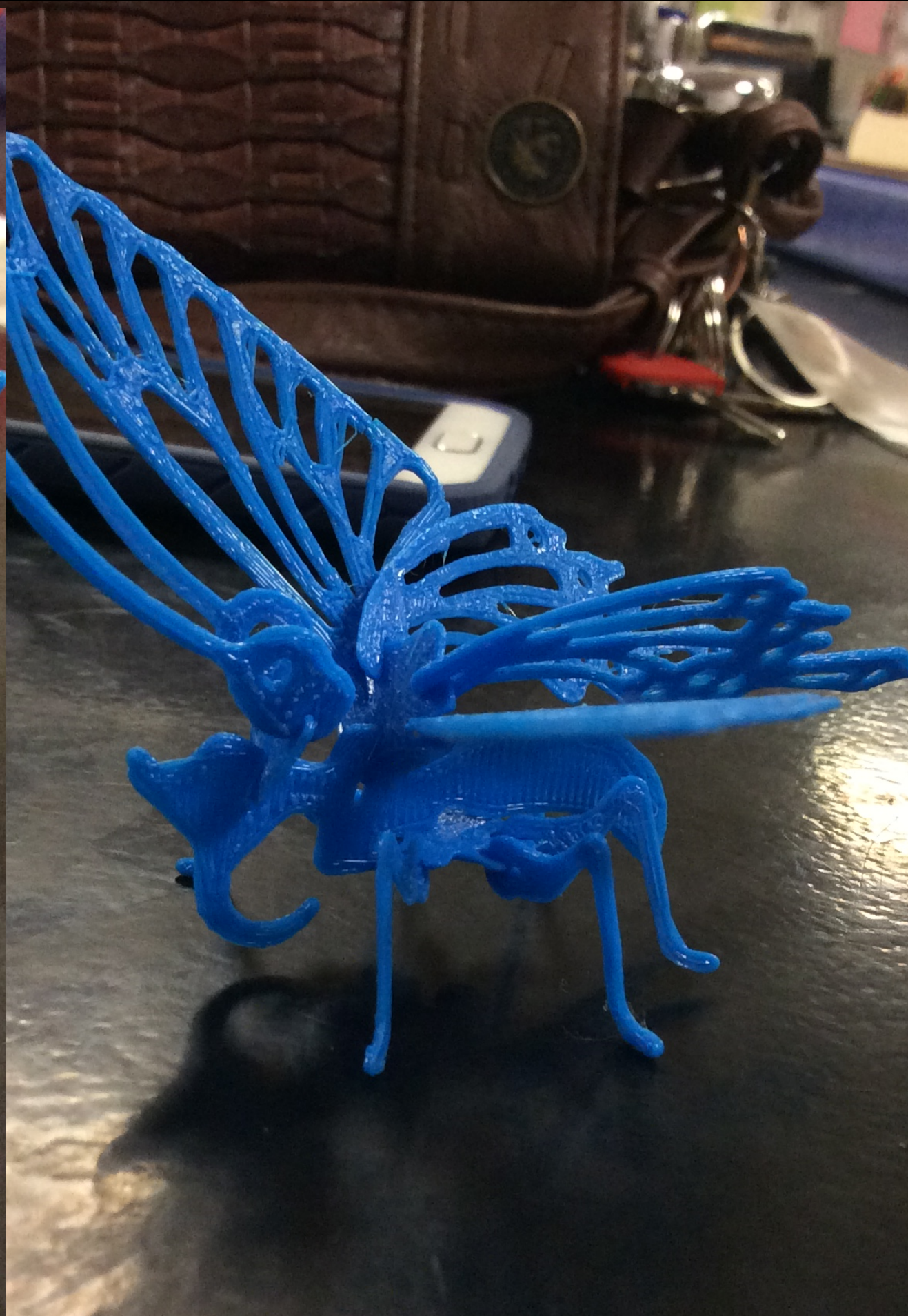
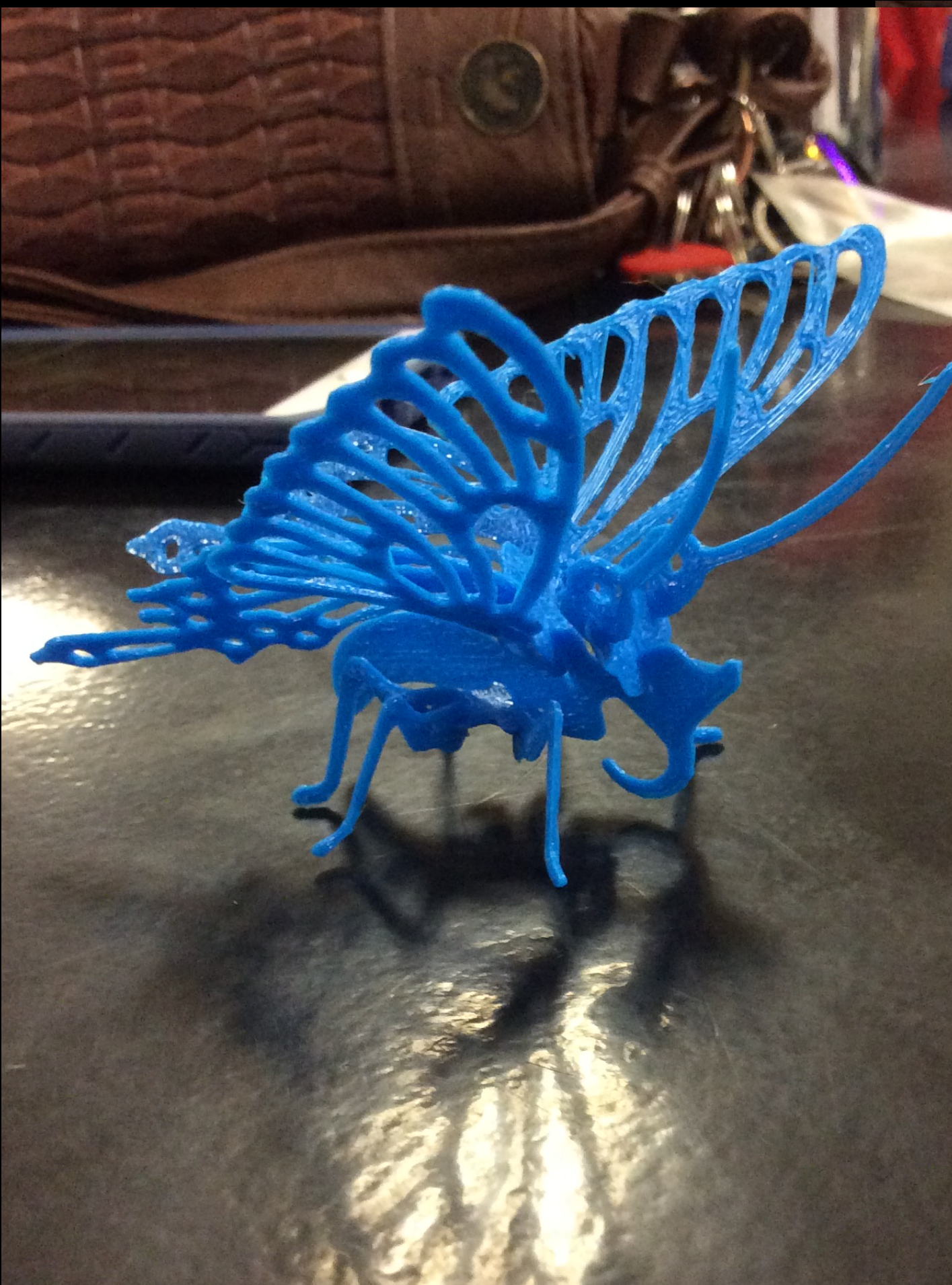


BUTTERFLIES

Sabrina Nicholson

How Butterflies Work Anatomy





Anatomy of a Butterfly: (Functions)

- **Antennae**- Sensory appendages attached to the head that helps them find their way & help them locate each other
- **Compound Eye**- Composed of thousands of image forming tiny eyes called ommatidium
- **Hindwing**- Back Wings
- **Forewing**- Front Wings
- **Thorax**- Contains muscles that make the legs and wings move
- **Legs**- Used for tasting
- **Proboscis**- How a Butterfly drinks its food

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Ommatidia:

- Each of the optical units that make up a compound eye.
- Lets Butterflies see in every direction all around them

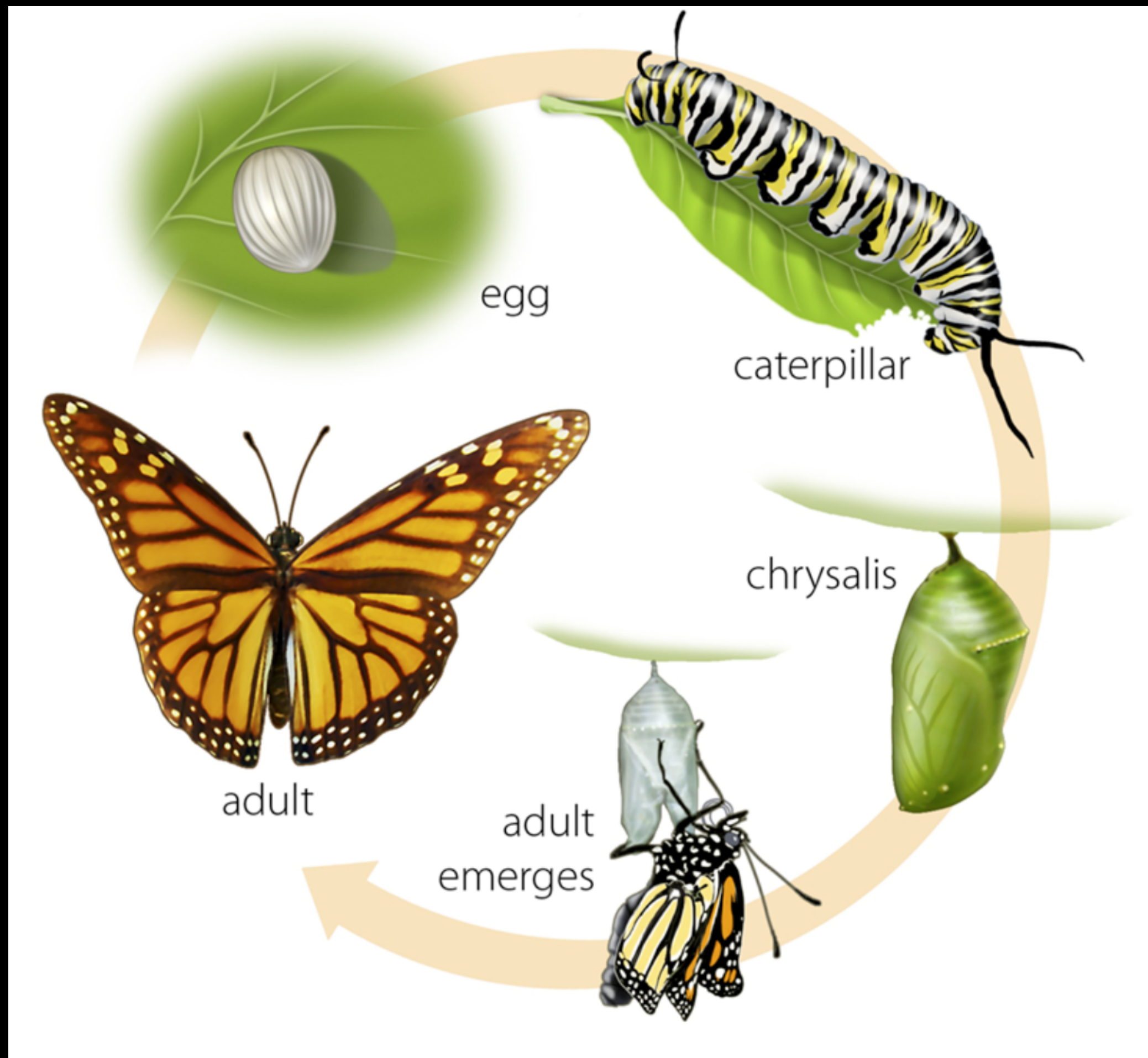
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The 6 families of Butterflies:

- ~Swallowtails
- ~Brush-Footed
- ~Whites & Sulphur
- ~Gossamer-Winged
- ~Metalmarks
- ~Skipper



Swallowtails: *(Family Papilionidae)*

- ~Has a tail-like extension on each _____
- ~Used to _____ predators
- ~All members have ____ pairs of walking legs



Brush-Footed Butterflies: (*Nymphalidae*)

~Has 2 legs _____ than the others



~Tiny legs look like small _____ & they can't be used
for walking

~Most _____ known & familiar Butterflies

Whites & Sulphurs: (*Pieridae*)



- ~All share a common wing _____
- ~Has _____ pairs of walking legs
- ~Mostly in _____ or _____

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Venation: An arrangement
or system of veins



Gossamer-Winged Butterflies:

- ~Wings appear to be _____ due to light-refracting scales on their wings
- ~ Some exhibit hair-like projections or "_____"
_____", to fool predators.
- ~ _____ antennae
- ~ Many have _____ coloring for protection
- ~ Males have _____ front legs with no _____ claws



Metalmarks: *(Riodinidae)*

- ~ Named for amazing, _____ markings
- ~ Not all Metalmarks have these _____
- ~ Mostly lives in _____



- ~ Males have _____ front legs
- ~ Females use all 3 legs

Skippers: (*Hesperiidae*)

~ Have _____, _____ bodies, & slightly _____ wings

~ Looks like they're _____ from place to place



~ _____ usually end in a curve or hook

Other Interesting Facts:

~ Butterflies

through their feet

~ Can't fly if
newly emerged



~ Butterflies live on an all-_____ diet

~ Usually live 2-4 weeks



~ Butterflies can't fly if _____

The End!

