

Hemiptera

"True Bugs"

Most are "phytophagous," using their mouths to drink plant sap!
¡La mayoría son "fitófagos" y usan la boca para beber la savia de las plantas!

Piercing, sucking mouth
Perforación, chupando la boca

Leathery Forewings (hemelytra)
Alas anteriores coriáceas (hemelytra)

Incomplete Metamorphosis

Hemiptera go through "incomplete metamorphosis," meaning the young insects look much like the adults!



Like You!



Most feed on plants, but some are predators, or even blood-suckers!!
La mayoría se alimenta de plantas, pero algunos son depredadores, ¡o incluso chupasangre!





Hymenoptera

Bees, Wasps, and Ants

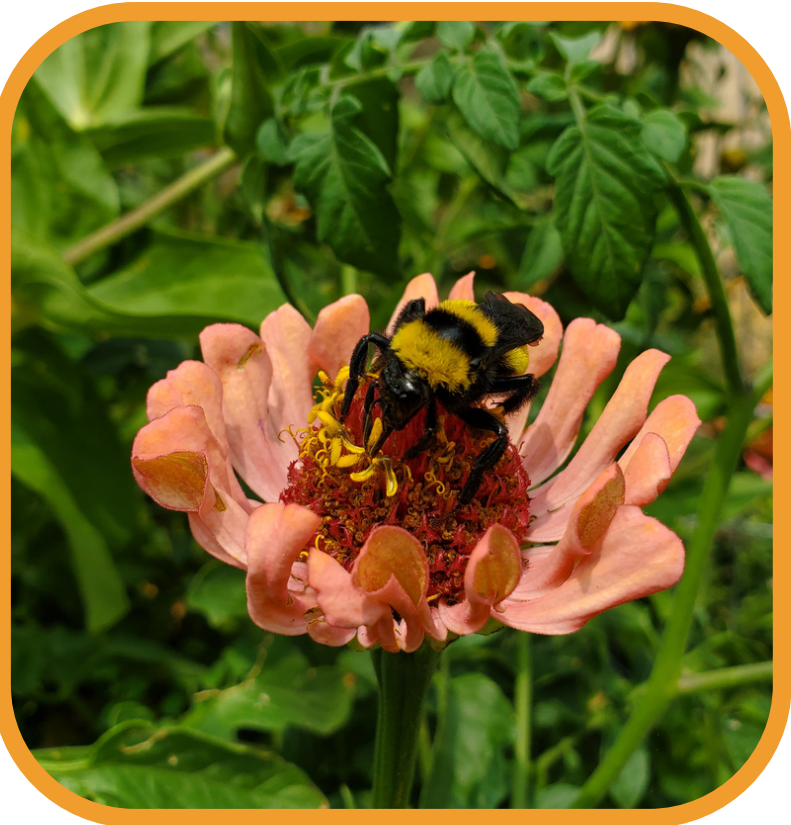
Hymenoptera are important pollinators!

2 Sets of Wings

Narrow "waist"

Many are parasitic, some eat plant pollen, nectar, or stems, and some are even predatory!





Lepidoptera

Butterflies & Moths



Lepidoptera go through Complete Metamorphosis: the young look completely different from the adults!

Straw-like "proboscis"

2 Sets of Wings

Lepidoptera are found on all continents except Antarctica!





Orthoptera

Grasshoppers, Locusts, & Crickets



Orthoptera go through
"Incomplete
Metamorphosis"!

Many are edible, and
can be made into tasty
snacks! Over 80
species are eaten
around the world!



Long hindlegs
adapted for
jumping!

Chewing, or
"mandibulate"
mouths.





Coleoptera

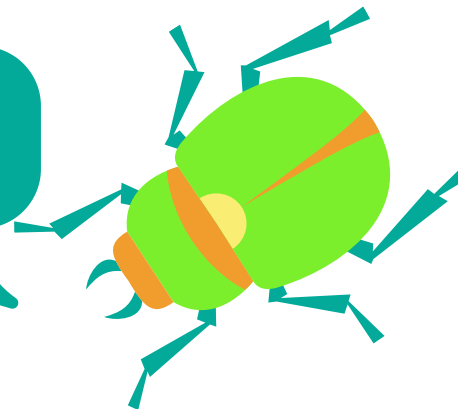
Beetles

Coleoptera constitute
25% of the known
animal species in the
world!



Beetles fill many
ecological roles,
from carnivores
to decomposers!

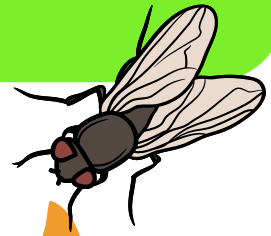
Beetles are highly
diverse, with 400,000
described species!





Diptera

Flies



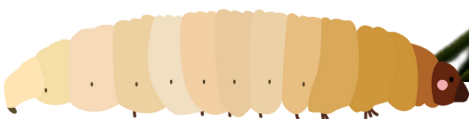
Soft, spongy
mouth to slurp up
food!

Diptera go through
Complete
Metamorphosis: the
young look completely
different from the
adults!



Flies have "halteres"
behind their wings to
help with balance.

One set of wings





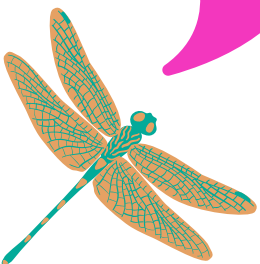
Odonata

Dragonflies and Damselflies



Odonata go through Complete Metamorphosis: the young look completely different from the adults! The larvae are aquatic!

Odonata are excellent predators!



2 Sets of Wings

