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THOSE ARE SOME PLANTS POLLINATED BY BEES

- Without pollinators, enjoy...
 - Wheat, rice, corn, sorghum, barley, millet, and oats
 - Sugarcane, lettuce, soybeans, bananas, spinach, plantains
 - And a few more...



4



IT IS ESTIMATED ONE IN 3 BITES OF YOUR FOOD IS BECAUSE OF POLLINATORS!

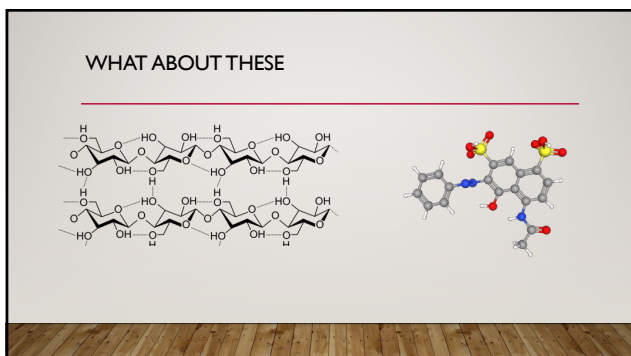
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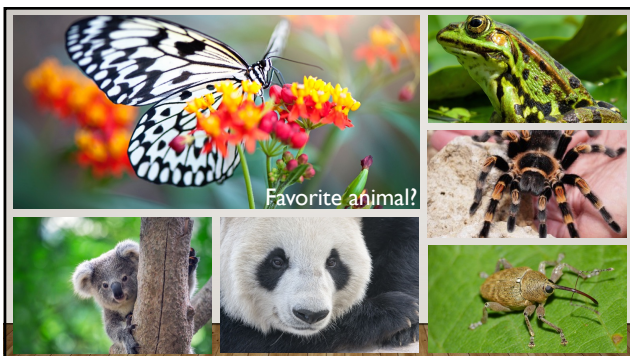
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“All animals are equal, but some animals are more equal than others.”

~ George Orwell, Animal Farm, 1945

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HOLOCENE EXTINCTION



SIXTH MAJOR
EXTINCTION SPASM

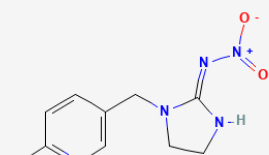


BUTTERFLY POPULATIONS
FELL BY 22% FROM 2000 –
2020 (ACROSS 554 SPECIES)



NORTH AMERICAN BIRD
POPULATIONS DIMINISHED
BY 3 BILLION SINCE 1970

14

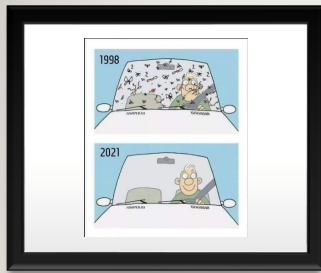


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“We all fear what we do not understand.”

~ Dan Brown, The Lost Symbol, 2009

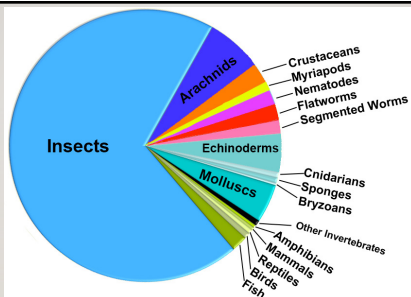
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GOOD NEWS?

NOT AT ALL!

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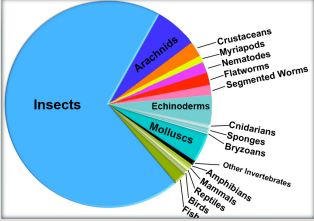


<https://pubs.bioscience.org/doi/10.1093/bioscience/biaw001>

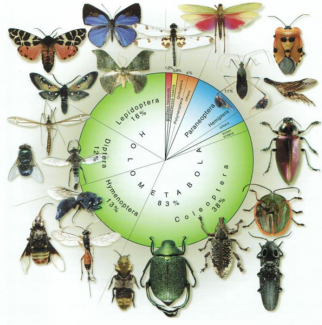
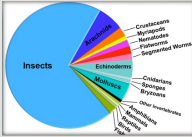
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- Majority of animal species are insects.
- 1 out of every 4 animals you encounter is likely a beetle.
- Biomass of insects exceeds all other animals.
- Insects are found on every continent (including Antarctica).

Why are insects so successful?



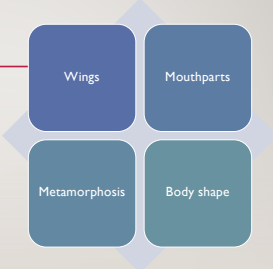
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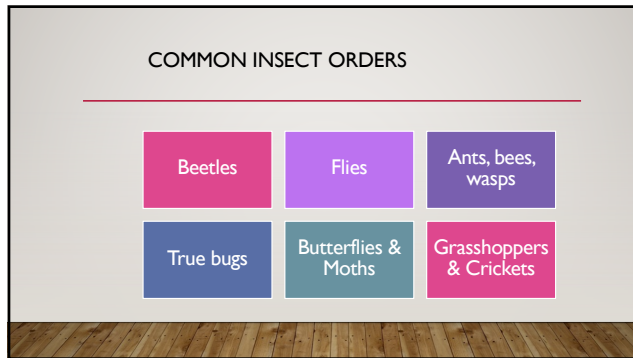
Grimaldi & Engel (2005). Evolution of the Insects

20

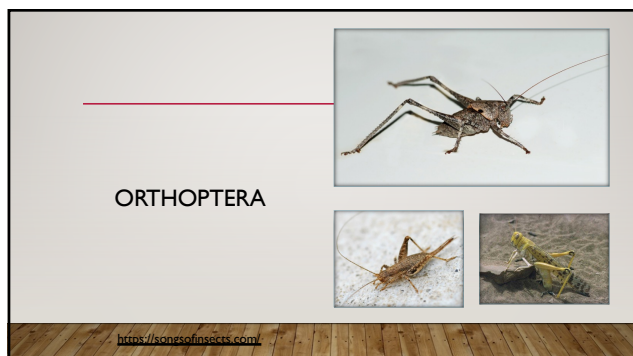
INSECT IDENTIFICATION



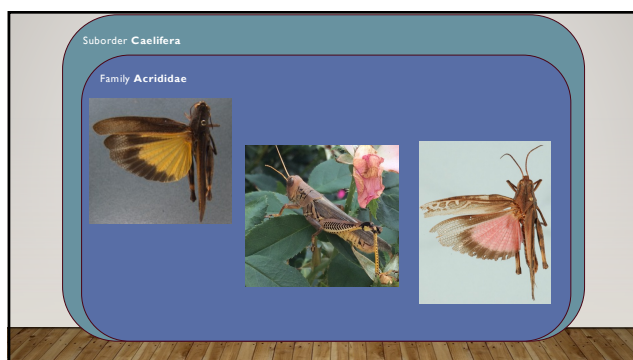
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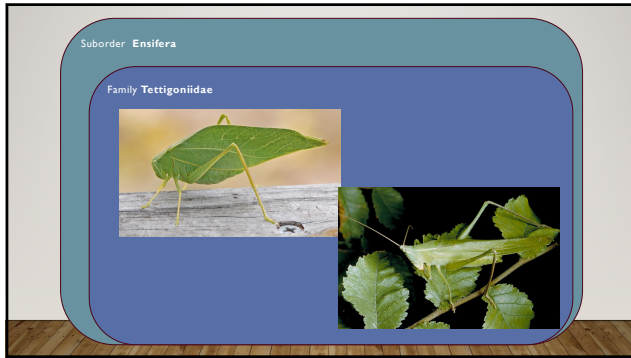
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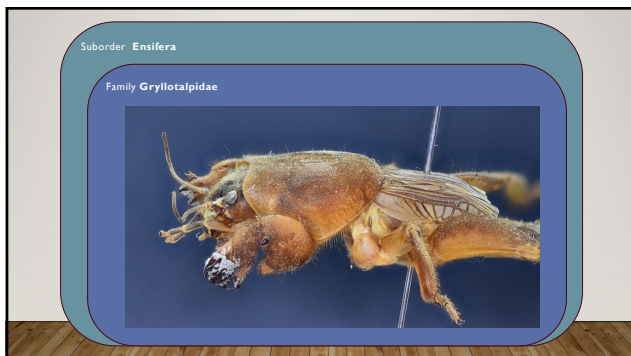
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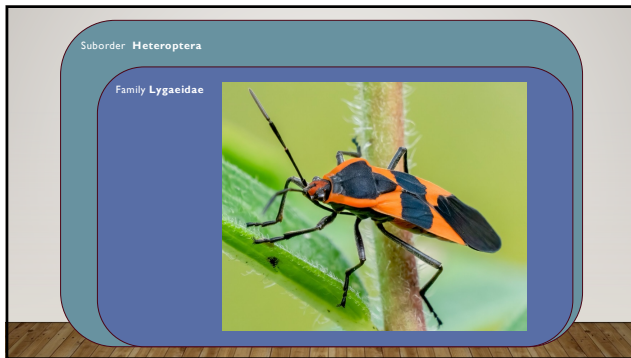
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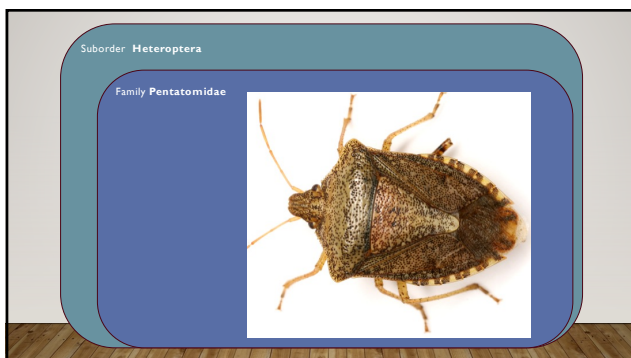
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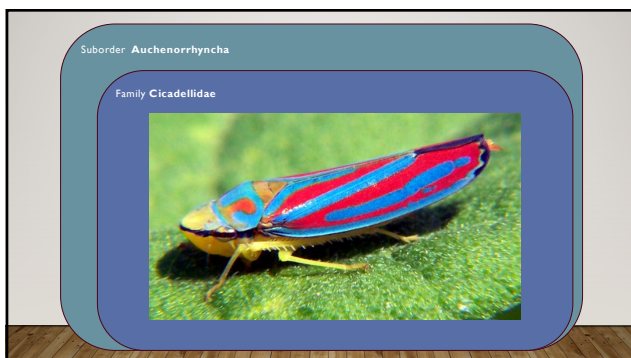
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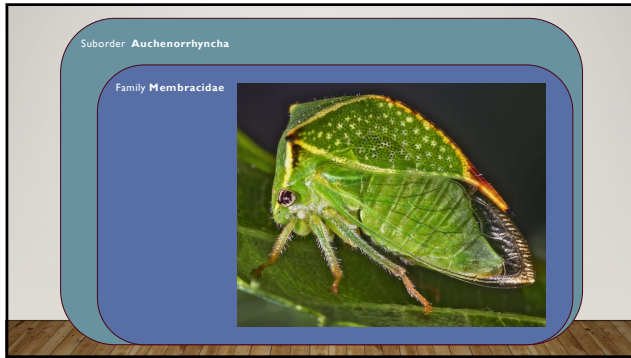
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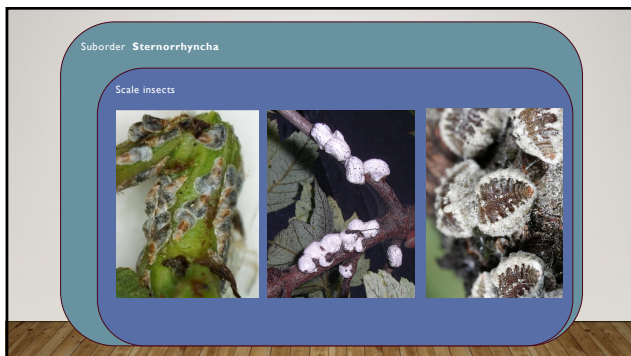
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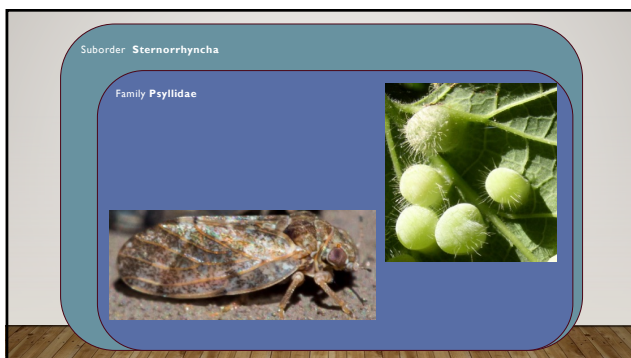
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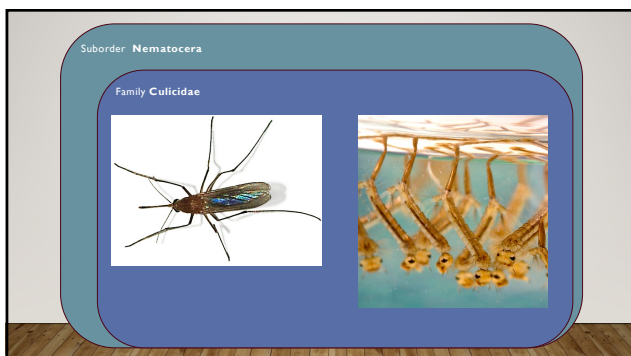
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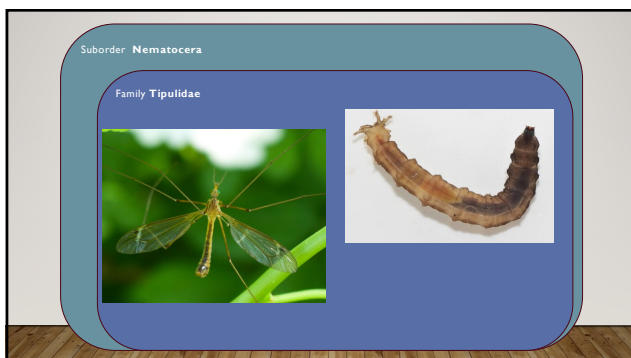
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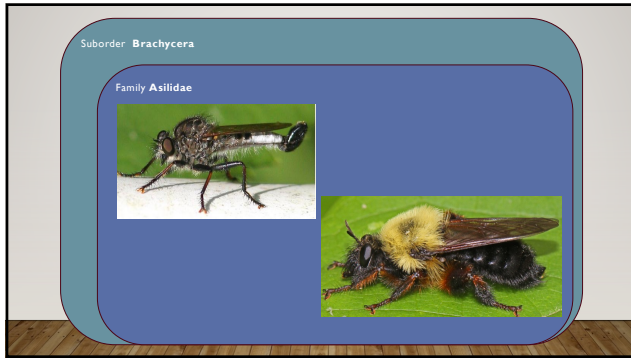
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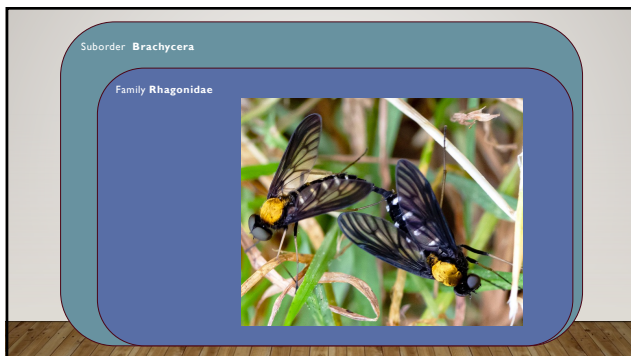
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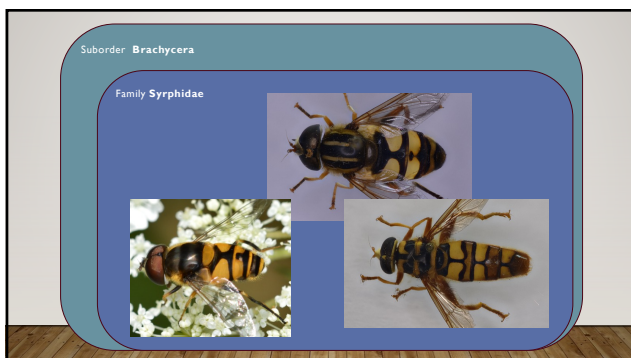
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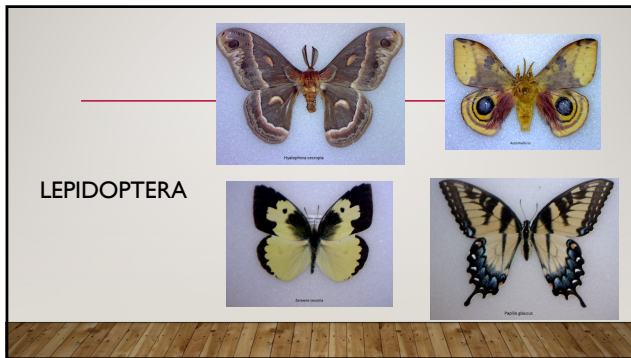
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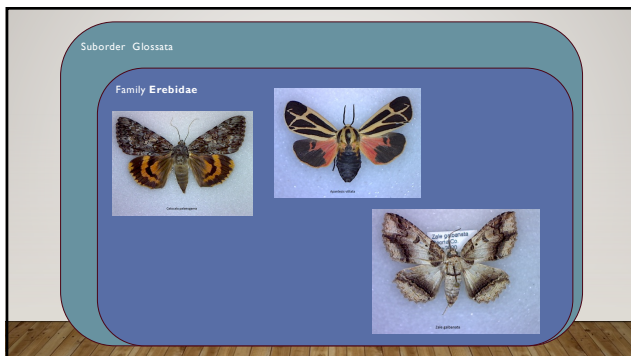
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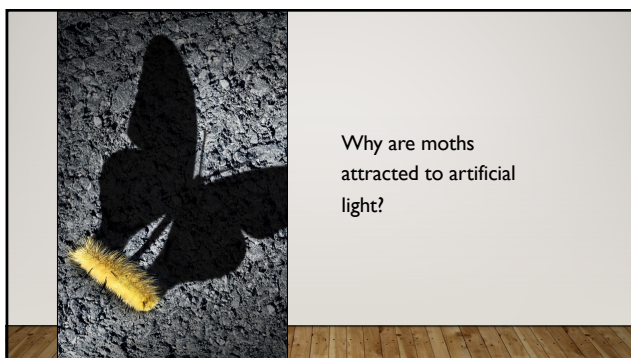
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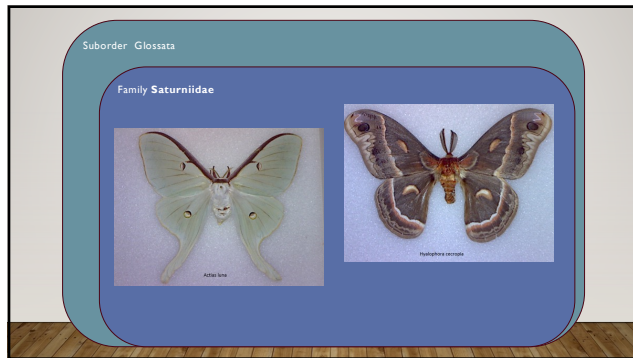
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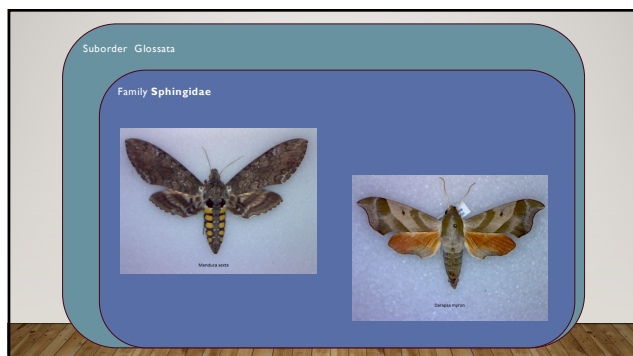
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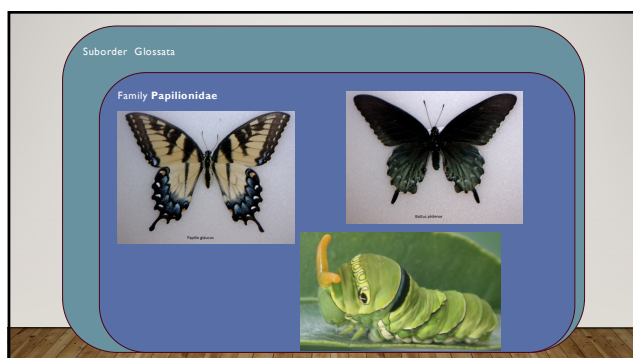
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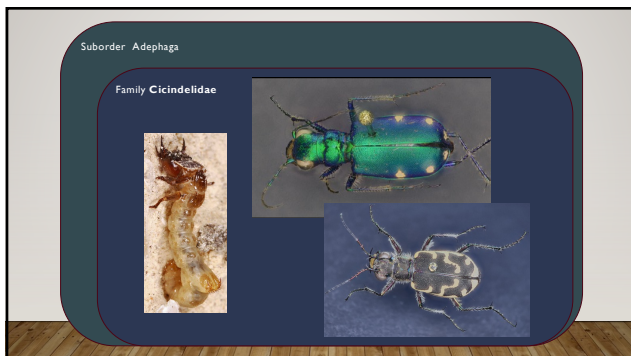
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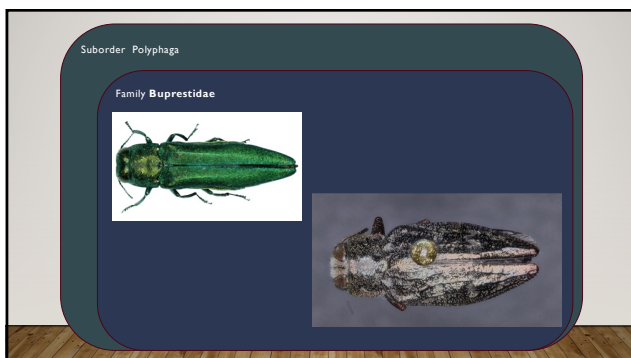
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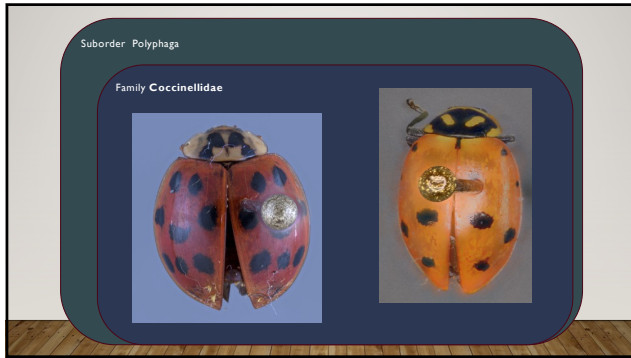
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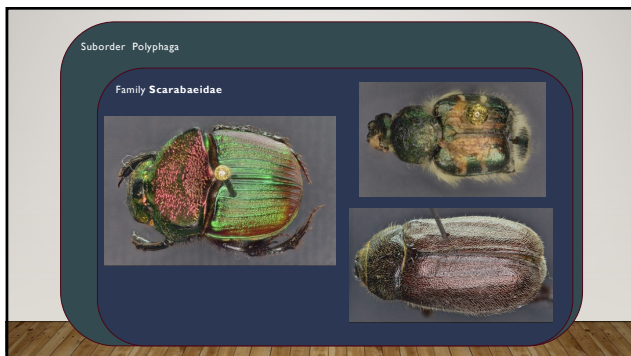
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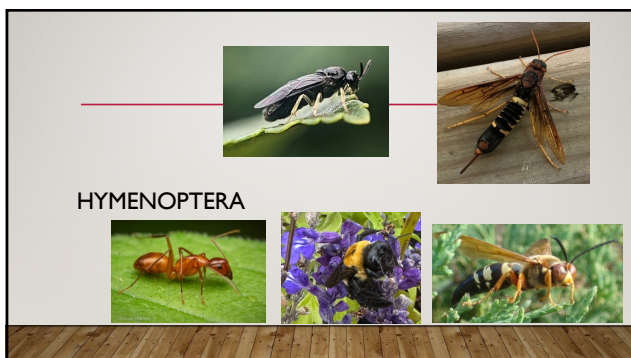
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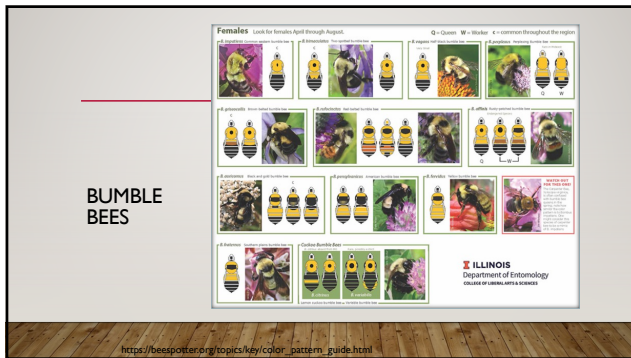
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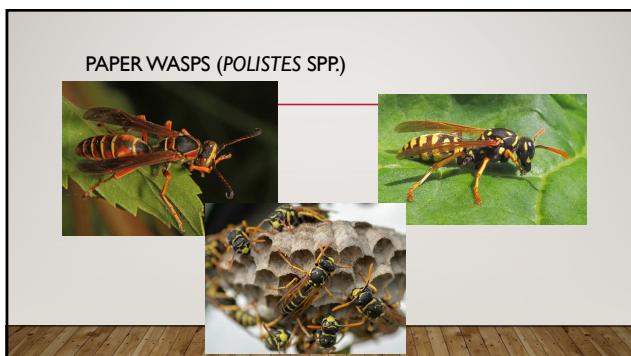
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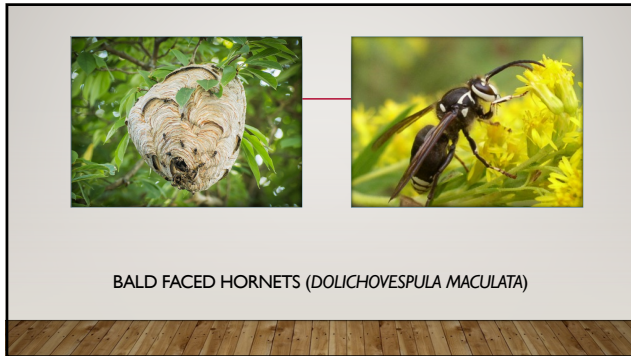
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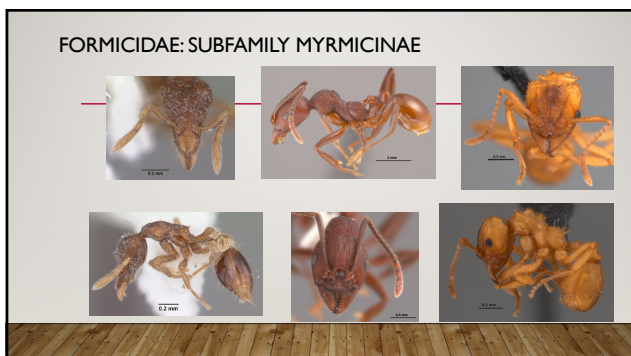
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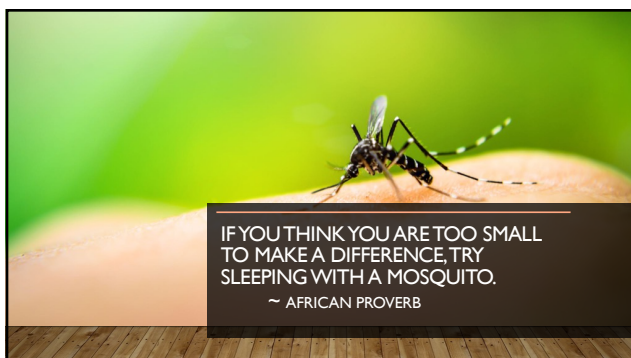
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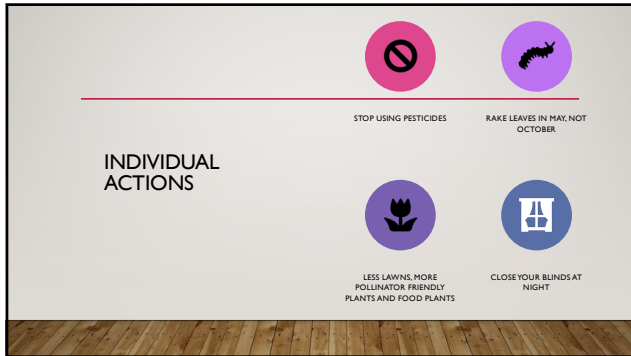
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