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- > Insect orders are grouped according to whether or not they are ametabolous, hemimetabolous or holometabolous.
- > You will also see that the insect orders are grouped according to the absence or presence of wings.
- Additional groupings concern whether or not the wing has a flexon, i.e. apterygote, paleopterous or neopterous.
 The orders are also grouped according to how the wings develop.
- The orders are also grouped according to <u>how</u> the wings develop.
 If the wings develop from structures on the outside of the body the insect is called an **exopterygote**.
 - insect is called an **exopterygote**.

 ☐ If the wings develop from internal wing pads, the insect is called an **endopterygote**.

Be sure you know which orders go with each classification.

Learning Game Placeholder
Learning Game: Word Quiz
Title: Terms Quiz

Learning Game Placeholder
Learning Game: Choices
Title: Review Quiz

Conclusion

Your mind is probably spinning with all the terms and the characteristics of each order

Do you know the difference between a bee and a beetle yet? How many wings does a fly have?

During an upcoming lab or in your own collection, you should be able to look at specimens and the differences will become

clearer to you.

Now that you know the order characteristics,

you will be an expert in no time.

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wingless wasp - cow killer ant

Note: To review the order characteristics and check your chart from the study guide, you may refer to http://entnemdept.ufl.edu/choate/insect_orders.htm.

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