

Invertebrates from Berlese Funnel

Invertebrate #1



Dichotomous Key Prediction:

Phylum: Arthropoda

Class: Insecta

Order: Hymenoptera (wasp, bee or ant)

- 1-6 legs, wings, two sets, no scales on wings, chewing mouthpart, membranous wings, tarsi five segmented, hind wing smaller
- well over 250um at 4X

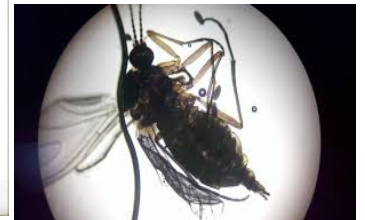
Groups Prediction: a type of flying ant

- segmented body, ant antennae, pinchers on butt

Flying Ant



Gnat



Invertebrate #2



Dichotomous Key Prediction:

Phylum: Arthropoda

Class: Insecta

Order: Collembola (springtail)

- 1-6 legs, no wings, chewing mouthpiece, specimen live bird and animals or plants, free-living, appendages on abdomen, forked tail beneath abdomen used for jumping
- 37.5 um at 4X

Group Prediction: Mite or Flea

- when using our intuition to answer the questions, the results were a louse on the dichotomous key

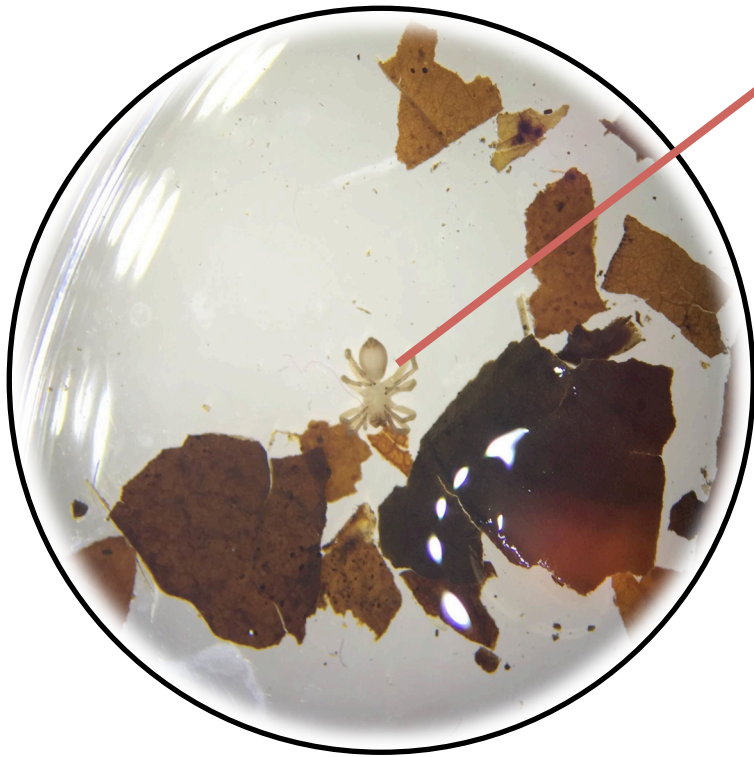
Flea



Deer Tick



Invertebrate #3



Dichotomous Key Prediction:

Phylum: Arthropoda

Class: Arachnida

Order: Aranaeae (spiders)

- 8 legs, segmented, no modification of front legs
- 4 cm

Group Prediction: spider

Spider 0 from dichotomous key



Invertebrate #4



Dichotomous Key Prediction:

Phylum: Arthropoda

Class: Insecta

Order: neuropteran (Lacewing)

- 1-6 legs, wings, two sets, no scales on wings, chewing mouth part, tarsi 5 segmented, wings same size, abdomen not scorpion like, eyes prominent but small
- over 250 um at 4X

Group Prediction: mosquito

Lacewing



Mosquito

