

Application Activity #1: A Virtual Q and A Session with the Chironomidae Research Group at the University of Minnesota

If you and your students are interested in speaking with the team of researchers that brought you this lesson, they would love to be contacted by you! Please send an email to midge@umn.edu with the title “Virtual Q&A Request”.

- Once you have a date and time set up, allow your students to explore the lab group website, or explore it together as a class!
 - o Website Link: <https://midge.cfans.umn.edu>
- Have students prepare questions for the group ahead of time. You can even have them submit their question to you ahead of time to ensure the session goes smoothly.
- Example Questions:
 - o How did you get involved in this specific type of research?
 - o What is the most interesting thing you’ve learned while working for the research group?
 - o Can you explain what a day doing field research is like?

Application Activity #2: A Competitive Game Show with Midge Trivia!

After watching the video lessons, the following day would be a great time to do a review in the form of a gameshow!

- Split your class into two or four teams, and you will be the host.
- Give a point for each question answered correctly, if a question is answered incorrectly, allow the other team to steal the point.
- Add music, and a prize for the winning team for a fun time!
- Use any or all of the questions found below, or make up your own!

Questions:

How many antennae do stoneflies have?

How many eyes do stoneflies have?

How many legs do insects have?

How many claws are on the end of each stonefly’s leg?

How many wing pads do stoneflies have?

What is on the underside of the stonefly?

How do the gills of stoneflies get damaged?

What do stoneflies like to eat?

What is the lifecycle of a stone fly?

How do stoneflies move?

What animal are stoneflies comparable to in terms of digestion?

How big are tiny winter black insects?

How do stoneflies come off the streams?

How does a stonefly hatch?
When is the best time to “dry fly” fish?
Where are the wing pads on a burrowing mayfly located?
How many antennae do burrowing mayflies have?
How many eyes do mayflies have?
What do they call the mayfly antennae in Michigan?
What do mayfly use their antennae for?
How many legs do mayflies have?
How many claws are on the end of each mayfly’s leg?
How many wing pads do mayflies have?
Where are the gills on a mayfly?
How many tails do mayflies have?
What is the lifecycle of a mayfly?
What purpose do mayflies serve in the water?
When do mayflies come out of their underwater burrow?
Do mayflies have a mouth?
What happens to mayflies after they mate and lay eggs?
What is a characteristic of a “dun?”
How do mayflies mate?
What do mayflies hatch?
What important job do clinging mayflies have?
What color are swimming mayflies?
What are the “blue whales” of the trout stream?
Do hellgrammites bite?
Do hellgrammites have eyes, wings, and antennae?
How many antennae do hellgrammites have?
How many eyes do hellgrammites have?
What do the hellgrammite’s eyes look like?
How many legs do hellgrammites have?
How many claws are on the end of each hellgrammite’s leg?
How many wing pads do hellgrammites have?
How many pairs of gills do hellgrammites have?
What is the lifecycle of a hellgrammite?
How many life stages do hellgrammites have?
Can insects make houses?
What kinds of insects make houses?
What are the “3 little pigs” of the insect world?
What do caddisflies have at the back end of their bodies?
How does a caddisfly shed its skin?
How do caddisflies rise out of the water?
What does a crane fly look like?