ochterski7's Invasive Species Test

Great Lakes Region

Directions

- 15 stations, allow 3 minutes per station
- Each station will have 5 questions

1- Common Name:

2- Why are they in direct competition with native species?

3- Describe the Great Lakes Restoration Initiative in response to this organism.

4- How does this organism spread so quickly?

5- Why was this organism introduced to the United States?

1- Common Name:

2- Scientific Name:

3- How many eggs can this organism produce a year?

4- Where are Zebra Muscles native to?

5- How does this organism impact cities?

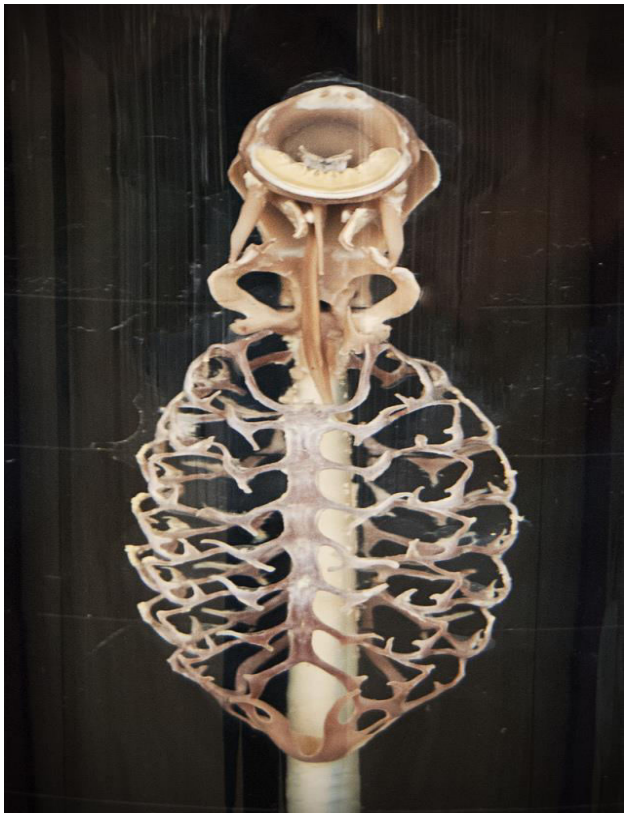
1- Common Name:

2- Scientific Name:

3- What unique feature does this organism have?

4- This organism has a well developed sensory system that allows it to do what?

5- Why may have Zebra Muscles facilitated the invasion of this organism?



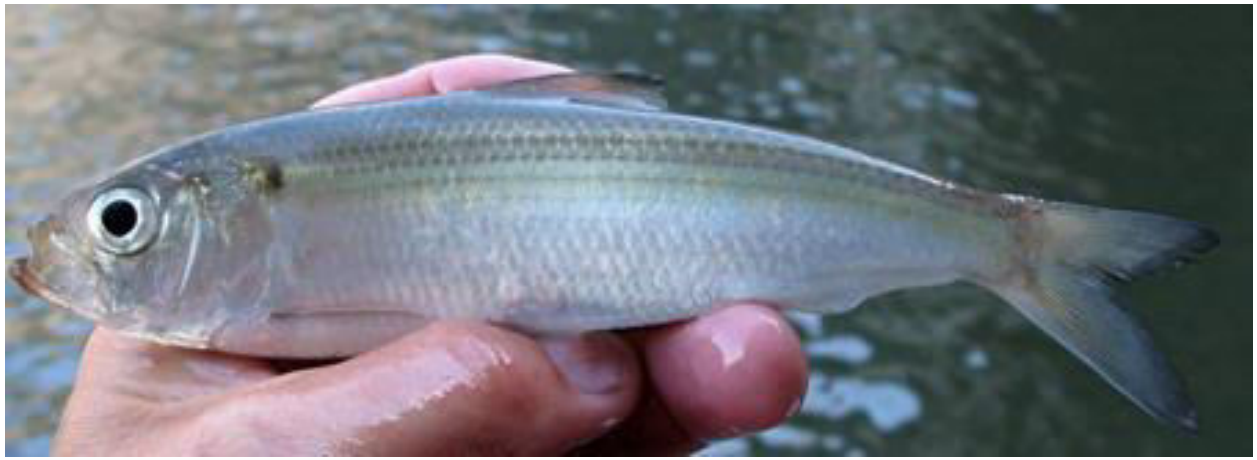
1- Common Name:

2- Scientific Name:

3- This organism has remained largely unchanged for more than _____mill. years and has survived ____ major extinction events.

4- What is unique about this organism?

5- A single female can produce how many eggs at once?



1- Common Name:

2- Scientific Name:

3- This organism was able to bypass Niagara Falls by using the _____.

4- In recent years what has caused this organisms population to decline?

5- Which of the Great Lakes were this organism most abundant in?

1- Common Name:

2- Scientific Name:

3- How many seeds can one mature plant produce annually?

4- How does this organism spread so rapidly?

5- How was this organism introduced to the United States?

1- Common Name:

2- Scientific Name:

3- How is this organism so successful at reproduction?

4- Where is this organism native to?

5- This organism interferes with recreational activities such as…

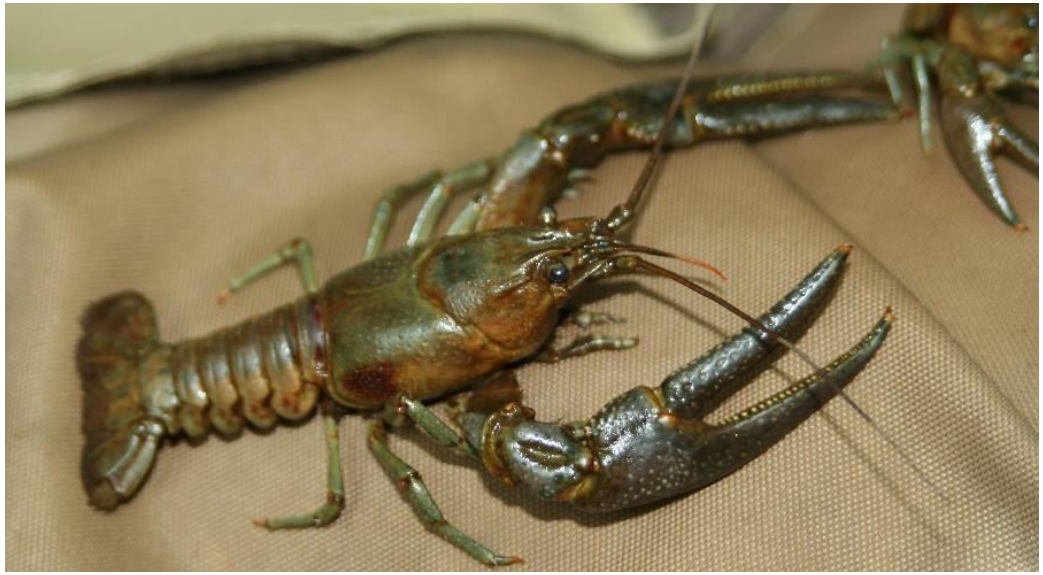
1- Common Name:

2- Scientific Name:

3- A mature female organism can produce how many eggs per year?

4- This organism was first discovered in which Great Lake?

5- Which fish has developed an appetite for this organism?



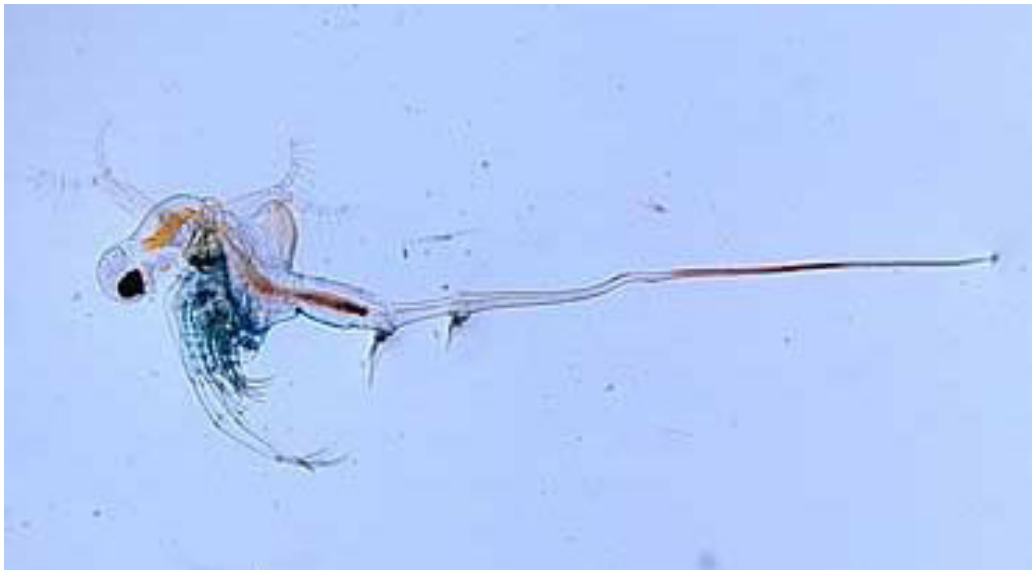
1- Common Name:

2- Scientific Name:

3- What are some of the impacts of this organism?

4- True or False this organism is currently found in Minnesota?

5- This organism prefers what type of habitats?



1- Common Name:

2- Scientific Name:

3- Where could you find this organism?

4- What type of habitat does this organism prefer?

5- Why is this organism so successful at reproduction?

1- Common Name:

2- Scientific Name:

3- When was this organism first spotted in Minnesota?

4- How can this organism be identified?

5- What can be done to prevent its spread?

1- Common Name:

2- Scientific Name:

3- Why is this organism a threat?

4- How does this organisms seeds spread?

5- What practical uses does this organism have?

1- Common Name:

2- Scientific Name:

3- This organism resembles what types of fish?

4- Why is this organism so invasive?

5- A single female can lay how many eggs annually?

1- Common Name:

2- Scientific Name:

3- This organism is currently found in how many states?

4- Each organism can produce how many fruits annually?

5- How does this organism effect native species?

1- Define Invasive Species:

2- What can you do to help prevent aquatic hitchhikers?

3- Invasive species are a _____ threat to biodiversity and can _____ native species.

4- How do invasive species spread?

5- What does “ANSTF” stand for?

ochterski7's Invasive Species Test

Great Lakes Region

Directions

- 15 stations, allow 3 minutes per station.
- Each station will have 5 questions.

1- Common Name: Asian Carp

2- Why are they in direct competition with native species?

They comsume mirorganisims and algae that native species feed on.

3- Describe the Great Lakes Restoration Initiative in response to this organism.

Electric barrier to keep Asian Carp from entering uninfested waters.

4- How does this organism spread so quickly?

They breed quickly and grow large.

5- Why was this organism introduced to the United States?

They were used as a management tool for aqua culture farms and sewage treatment plants.

1- Common Name: Zebra Muscle

2- Scientific Name: *Dreissena polymorpha*

3- How many eggs can this organism produce a year?
100,000-500,000 eggs

4- Where are Zebra Muscles native to?
Eastern Europe and Western Russia

5- How does this organism impact cities?
They clog water intakes and pipes.

1- Common Name: Round Goby

2- Scientific Name: *Appolonia melanostoma*

3- What unique feature does this organism have?

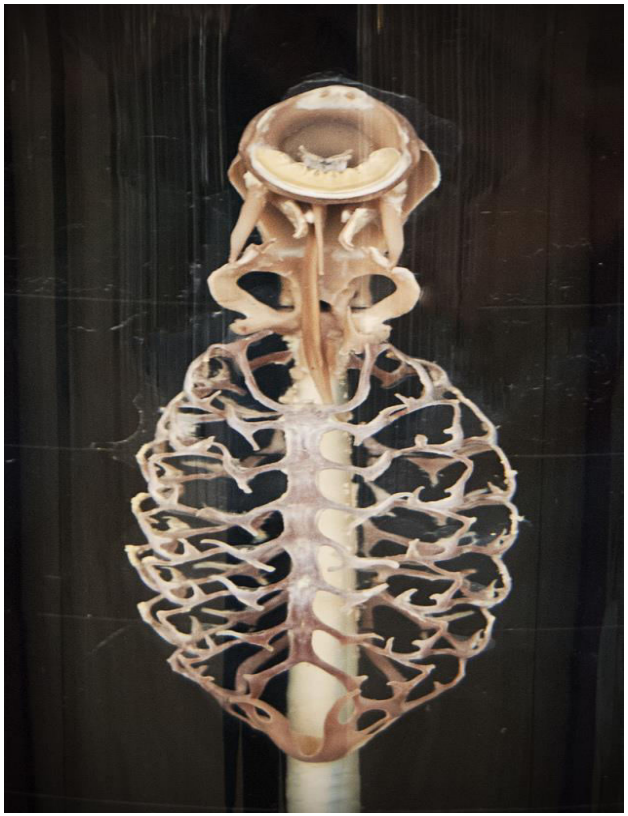
A suction pelvic fin.

4- This organism has a well developed sensory system that allows it to do what?

Detect water movement allowing it to feast in complete darkness.

5- Why may have Zebra Muscles facilitated the invasion of this organism?

Zebra Muscles provided this organism an abundant source of food.



1- Common Name: Sea Lamprey

2- Scientific Name: *Petromyzon marinus*

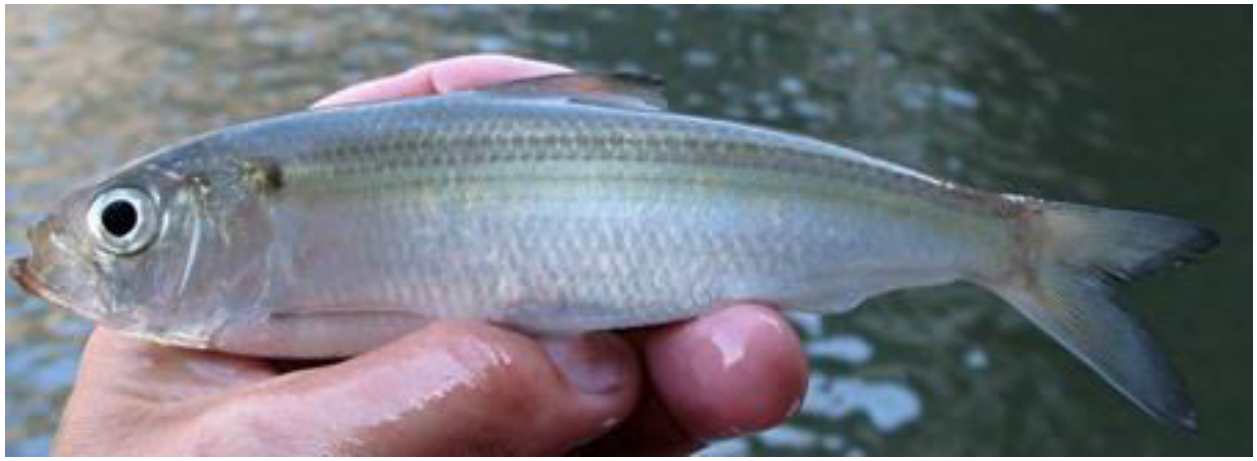
3- This organism has remained largely unchanged for more than __340___mill. years and has survived __5__ major extinction events.

4- What is unique about this organism?

Doesn't have a jaw or any boney structures. (Sea Lampreys however are vertebrates, but have a cartilaginous skeleton).

5- A single female can produce how many eggs at once?

100,000 eggs



1- Common Name: Alewife

2- Scientific Name: *Alosa pseudoharengus*

3- This organism was able to bypass Niagara Falls by using the __Welland Canal__.

4- In recent years what has caused this organisms population to decline?

Loss of habitat due to decreased access to spawning areas.

5- Which of the Great Lakes were this organism most abundant in?

Lake Huron and Lake Michigan

1- Common Name: Purple Loosestrife

2- Scientific Name: *Lythrum salicaria*

3- How many seeds can one mature plant produce annually?

2 Million Seeds

4- How does this organism spread so rapidly?

It's seeds are easily dispersed in waterways and adhere to livestock and people.

5- How was this organism introduced to the United States?

It was used as a medicinal herb.

1- Common Name: Eurasian Watermilfoil

2- Scientific Name: *Myriophyllum spicatum*

3- How is this organism so successful at reproduction?

A single stem and leaves can take root and start a new colony.

4- Where is this organism native to?

Europe, Asia, and North Africa

5- This organism interferes with recreational activities such as…

Swimming, Fishing, Water Skiing, and Boating.

1- Common Name: Quagga Muscles

2- Scientific Name: *Dreissena bugensis*

3- A mature female organism can produce how many eggs per year?

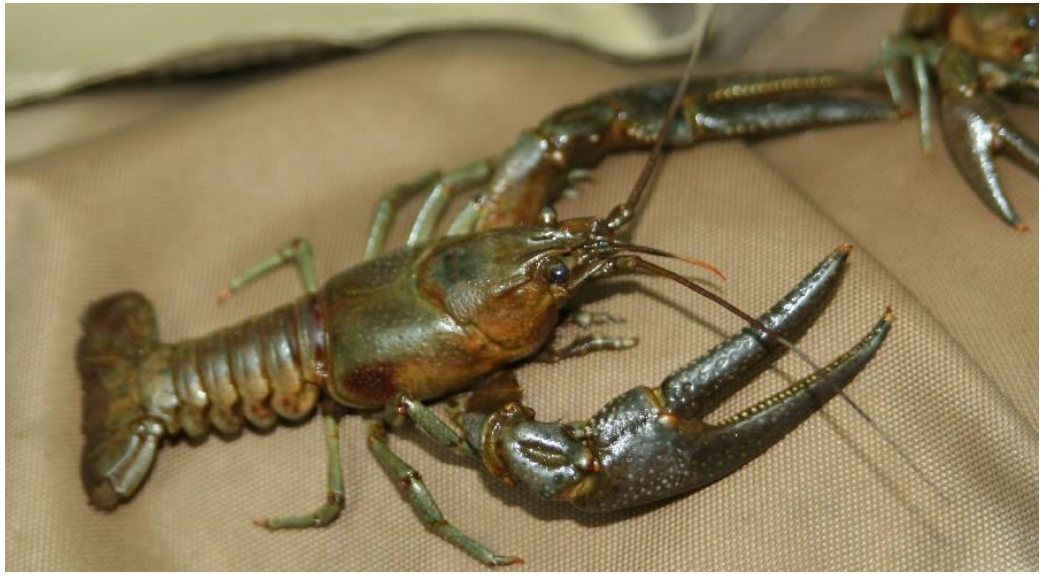
1 Million eggs

4- This organism was first discovered in which Great Lake?

Lake Erie (Port Colborne, Ontario)

5- Which fish has developed an appetite for this organism?

Yellow Perch



1- Common Name: Rusty Crayfish

2- Scientific Name: *Orconectes rusticus*

3- What are some of the impacts of this organism?

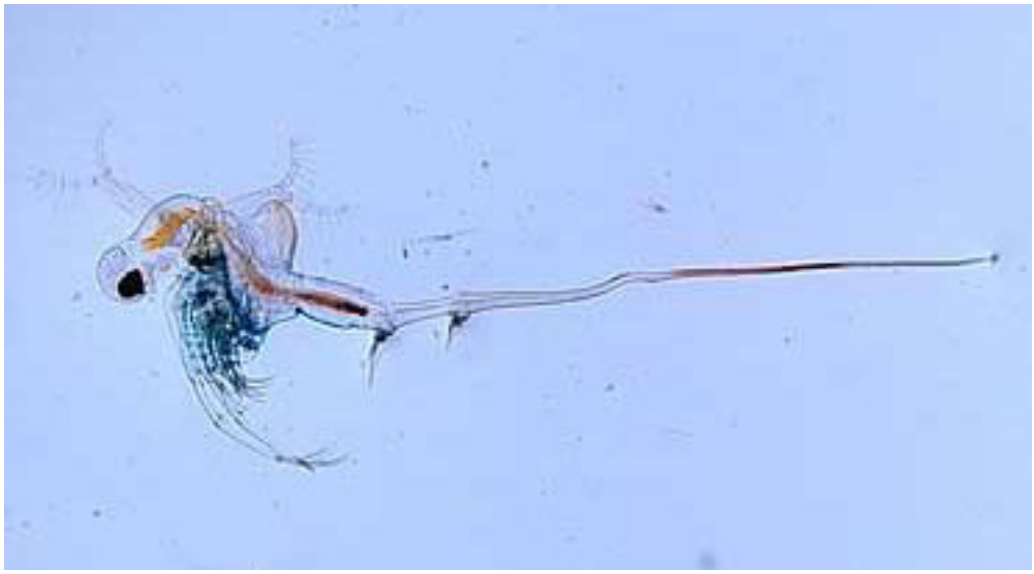
Displace native crawfish, reduce amount/variety of native plants, decrease variety of invertebrates.

4- True or False this organism is currently found in Minnesota?

True

5- This organism prefers what type of habitats?

Rocky and debris filled pools and fast moving streams.



1- Common Name: Spiny Water Flea

2- Scientific Name: *Bythotrephes longimanus*

3- Where could you find this organism?

Attached to fishing lines.

4- What type of habitat does this organism prefer?

Deep Water, but also found in shallow lakes.

5- Why is this organism so successful at reproduction?

Under certain conditions eggs can survive drying and freezing.

1- Common Name: Curly Pondweed

2- Scientific Name: *Potemogeton crispus*

3- When was this organism first spotted in Minnesota?

1910

4- How can this organism be identified?

The first to come up, dies mid-summer, and unique leaves.

5- What can be done to prevent its spread?

Remove all vegetation from your watercraft when transferring it between different bodies of water.

1- Common Name: Common Reed

2- Scientific Name: *Phragmites australis*

3- Why is this organism a threat?

It grows vigorously and pushes out native species.

4- How does this organisms seeds spread?

Wind and Water.

5- What practical uses does this organism have?

Arrows and Thatched Roofs.

1- Common Name: Eurasian Ruffe

2- Scientific Name: *Gymnocephalus cernua*

3- This organism resembles what types of fish?

Yellow Perch and Walleye.

4- Why is this organism so invasive?

It grows quickly, high/fast reproduction, and can live in a wide variety of environments.

5- A single female can lay how many eggs annually?

130,000-200,000 eggs

1- Common Name: Water Chestnut

2- Scientific Name: *Trapa natans*

3- This organism is currently found in how many states?

8 states

4- Each organism can produce how many fruits annually?

20 fruits

5- How does this organism effect native species?

It crowds them out.

1- Define Invasive Species: A plant or animal not native to a specific location.

2- What can you do to help prevent aquatic hitchhikers?

Remove all visible organisms and clean and dry anything that came in contact with infested waters.

3- Invasive species are a serious threat to biodiversity and can damage native species.

4- How do invasive species spread?

Ships, Wood Products, Ornamental Plants, and Pet Trade.

5- What does “ANSTF” stand for?

Aquatic Nuisance Species Task Force