Mapping AIS Mayhem Name

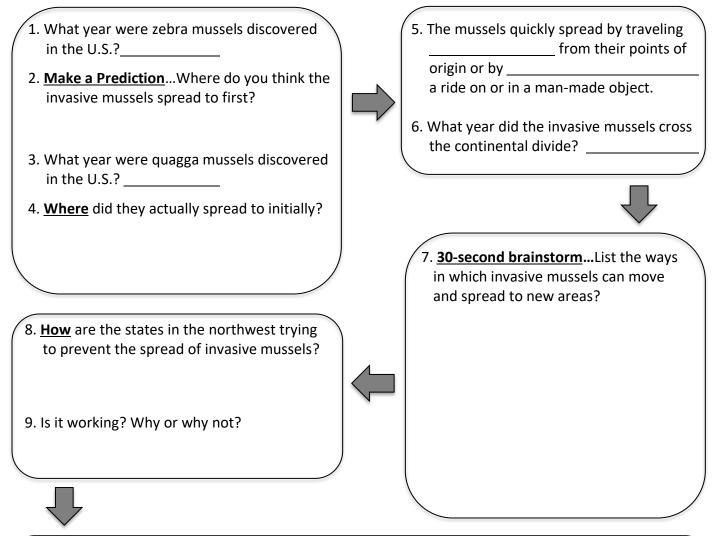
Warm Up

Student Worksheet (1 of 2)

Make a prediction for each question below, share your predications, and then fill in the table below.

	Answer
WHERE are zebra mussels native?	
WHERE are quagga mussels native?	
How did the invasive mussels get to the U.S.?	

Mapping Activity Part I



10. List the states the invasive mussels have **NOT** spread to since their initial introduction.

11. What do you think are some invasion barriers that could cause a mussel invasion to fail?





Mapping AIS Mayhem

Mapping Activity Part II

Examine the provided maps with your group members and then answer the questions using complete sentences.

Flathead Watershed Map:

Imagine the invasive mussels have made it to the Flathead River Basin in Montana.

- 1. Select a point of introduction on the Flathead Watershed map:
- 2. Describe <u>where the mussels would disperse/spread</u> from that location below.
- 3. Explain (using SPECIFIC details from the map) how the <u>aquatic environment</u> of the Flathead Watershed could be impacted by a mussel invasion.
- 4. Think of a **personal connection**...how could a zebra or quagga mussel invasion impact someone you know or a particular profession in the region?

Columbia River Basin Map:

How could the Columbia River Basin be <u>economically</u> impacted by a mussel invasion?

- 5. Select a topic below. Use SPECIFIC details from the map to explain how these Columbia River Basin businesses could be impacted by a mussel invasion.
 - □ Hydroelectric Dams
- □ Restaurants
- □ Farming/Irrigation
- □ Real Estate
- □ Tourism

 Recreation (ex. fishing, rafting, swimming, sailing, boating, camping, etc.)

Wrap Up

6. We live near headwaters of the Columbia River Basin. Why should we care about a potential mussel invasion?



