

Name \_\_\_\_\_

Class \_\_\_\_\_

Date \_\_\_\_\_

## Introduction to zebra mussels

In the American Museum of Natural History videos on Hudson River Ecology, you will learn about the introduction of the invasive species, zebra mussels. As you watch the introductory videos, answer the following questions:

### Video 1:

1. Why are zebra mussels so easy to move around?

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2. When did scientists know that zebra mussels would eventually make their way into the Hudson River? \_\_\_\_\_

3. **After watching Video #1**, make a claim about how zebra mussels will affect one other organism in the Hudson River. Use the food web your class created to help you get ideas.

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### Video 2:

4. Why is it important to know how much light enters into the Hudson River?

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5. What are the two main sources of food that form the base of the food web of the river?

A: \_\_\_\_\_ B: \_\_\_\_\_

6. How do zebra mussels eat? \_\_\_\_\_

7. What do zebra mussels eat? \_\_\_\_\_

8. Why is this study of the invasion of zebra mussels unique, compared to other scientific studies of invasive species?

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9. **After watching Video # 2**, you will know why the Hudson River ecosystem is a good habitat for zebra mussels. Answer the following questions about zebra mussels:

- a. What measurements are scientists taking to explore the effects that zebra mussels have on the Hudson River?

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- b. What measurements would you have to take to help you support your claim made above in Question #3?

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