

## Anticipation Guide: Introduced Species—the Zebra Mussel

Before starting the activity, mark whether you agree (+) or disagree (-) with each statement below. After completing the activity, mark whether you agree (+) or disagree (-) with each statement below. Under each statement, explain how the activity gave evidence to support or change your ideas.

**Before**    **After**

- |       |       |  |
|-------|-------|--|
| _____ | _____ | <b>1.</b> Studying what has happened in the past with an introduced species can help us predict its future                                     |
| _____ | _____ | <b>2.</b> A healthy population of animals in a habitat will stay the same year after year with very little change.                             |
| _____ | _____ | <b>3.</b> To cause problems in a habitat, introduced species, such as the Nile perch, have to be larger than the other animals in the habitat. |
| _____ | _____ | <b>4.</b> An introduced species has to be near the top of the food web—a predator—if it is to cause problems in a habitat.                     |
| _____ | _____ | <b>5.</b> It is possible for an introduced species to be both helpful and harmful to a habitat.  |
| _____ | _____ | <b>6.</b> Populations of living things can be affected by nonliving factors, such as rainfall.   |
| _____ | _____ | <b>7.</b> Populations of living things can be affected by living factors, such as another species.   |

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Before    After

- \_\_\_\_\_    \_\_\_\_\_    **8.** Species that are introduced into a habitat are always successful.
- \_\_\_\_\_    \_\_\_\_\_    **9.** An introduced species that is invasive will increase in a habitat indefinitely.
- \_\_\_\_\_    \_\_\_\_\_    **10.** A decrease in the population of an introduced species must be due to a new predator in that environment.
- \_\_\_\_\_    \_\_\_\_\_    **11.** It is easy to get rid of an introduced species once it has begun to reproduce in a habitat.
- \_\_\_\_\_    \_\_\_\_\_    **12.** It can cost a lot of money to get rid of an introduced species once it has begun to reproduce in a habitat.
- \_\_\_\_\_    \_\_\_\_\_    **13.** Adding a predator to a habitat to get rid of an introduced species is always a good solution.
- \_\_\_\_\_    \_\_\_\_\_    **14.** When people are trying to control an introduced species, it helps them to know as much as possible about that species, including its habitat, life cycle, and feeding habits.