

## Science Toolkit: Grade 7 Objective 6.A.1.a

Student Handout: Science: Grade 7 Objective 6.A.1.a

Standard 6.0 Environmental Science

Topic A. Natural Resources and Human Needs

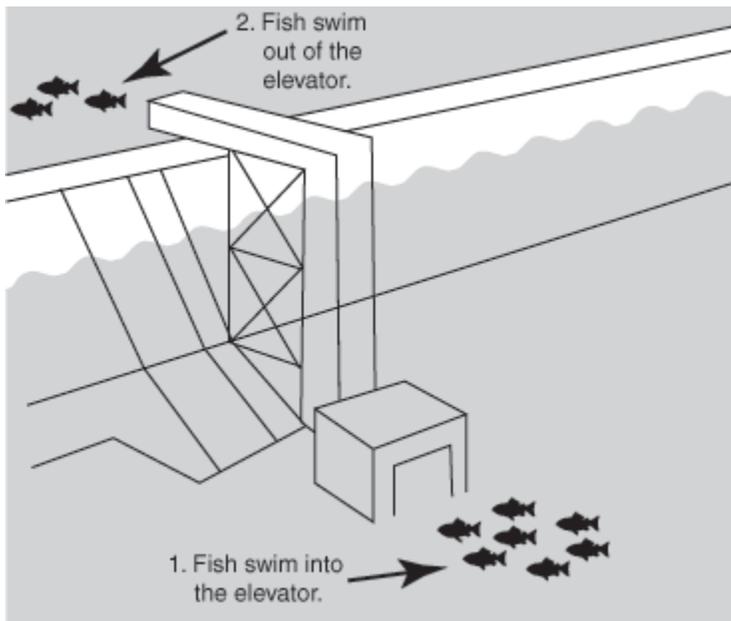
Indicator 1. Recognize and explain the impact of a changing human population on the use of natural resources and on environmental quality.

Objective a. Based on data identify and describe the positive and negative impacts of an increasing human population on the use of natural resources

Selected Response (SR) Item

Question

Hydroelectric dams use falling water to generate electricity. Dams affect river organisms, including the American shad, a common fish in waterways. Shad live in the ocean but swim up rivers to reproduce (spawn). Engineers have built elevators on dams for the shad and other fish. The fish swim into the elevator below the dam and are raised into the water above the dam.



Over-fishing of shad has contributed to a decline in the shad population.

Which fishing practice would most likely result in an increase in the shad population?

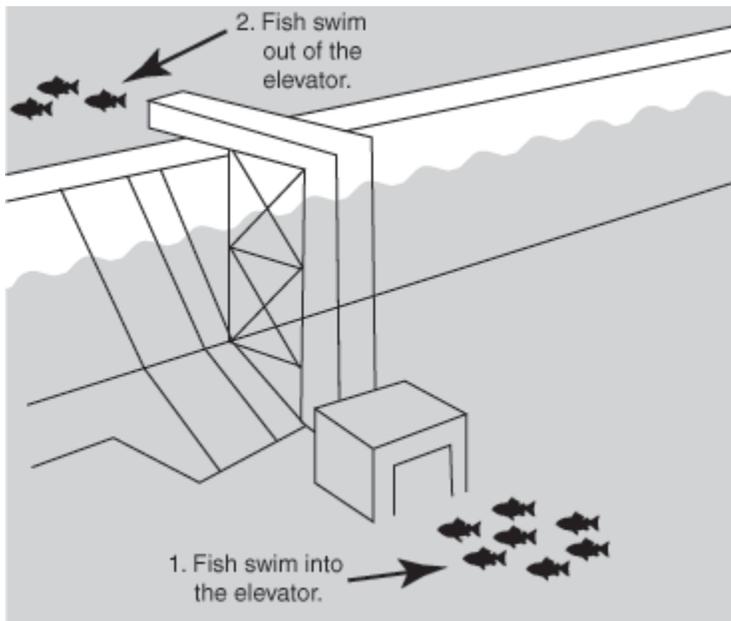
- A. The amount of shad caught is equal to the number of shad born.
- B. The amount of shad caught is less than the number of shad born.
- C. The amount of shad caught is equal to the demand from humans.
- D. The amount of shad caught is greater than the demand from humans.

Correct Answer

B. The amount of shad caught is less than the number of shad born.

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