Teacher Answer Key

Case Study

1. Nutrient-rich runoff from the Mississippi fuels algal blooms that deplete oxygen each summer.

2. Shrimpers must travel farther offshore, increasing costs and lowering profits.

Multiple Choice

1. B

2. A

3. C

Matching

1-B, 2-D, 3-E, 4-C, 5-A

Fill-in-the-Blank

1) dead, 2) fertilizers (or: runoff), 3) cover

Short Answer (Sample Responses)

Q1: They kill marine life, disrupt ecosystems, and reduce fisheries/tourism income.

Q2: Burning fossil fuels releases nitrogen oxides, which enter oceans and add to nutrient loads.

Q3: Cities can build green infrastructure or improve wastewater treatment to limit runoff.