Teacher Answer Key

Case Study

1. Factories polluted the water, and urban runoff degraded the river's ecosystem.

2. They regulated industrial discharge, built wetlands to filter runoff, and created parkland. Water quality and property values improved, and wildlife returned.

Multiple Choice

1. B

2. A

3. B

Matching

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

Fill-in-the-Blank

1) channel, 2) oxbow, 3) deposition

Short Answer (Sample Responses)

Q1: Rivers provide water for drinking, irrigation, and transportation, fostering the growth of cities and agriculture.

Q2: Polluted water travels downstream, impacting water quality, fisheries, and overall health of people and ecosystems farther along the river's course.

Q3: Greystone's coalition built wetlands to soak up urban runoff and turned the riverbanks into parks instead of more paved sprawl, which gives floodwater somewhere to go. Keeping building off the floodplain, the flat land around a river that is prone to flooding, protects property from the same floods.