Teacher Answer Key

Case Study

1. Mitigation measures: rooftop solar incentives, energy-efficiency retrofits (reduce emissions). Adaptation/resilience measures: blue-green corridors, cooling centers and early-warning systems.

2. Equity action: affordable-housing preservation fund and rent stabilization policies targeted to vulnerable tracts to reduce displacement risk.

Multiple Choice

1. C

2. B

3. D

Matching

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

Fill-in-the-Blank

1) green infrastructure, 2) green, 3) mitigation

Short Answer (Sample Responses)

Q1: Green infrastructure (trees, bioswales) needs ongoing irrigation, pruning, and sediment removal to maintain function — budget for maintenance avoids system failure.

Q2: Unintended consequence: rising property values (green gentrification); mitigate with affordable-housing preservation, CLTs, and local hiring.

Q3: Short-term: cooling centers, emergency response plans, heat-warning outreach, or temporary flood barriers.