Teacher Answer Key

Case Study

1. Erosion, silted rivers, flash floods, and water scarcity resulted from forest loss.

2. Reforestation with native species, agroforestry, and sustainable land management helped restore ecosystems and provide economic benefits.

Multiple Choice

1. C

2. D

3. B

Matching

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

Fill-in-the-Blank

1) Trade, 2) Tropical (or Rain), 3) Agroforestry

Short Answer (Sample Responses)

Q1: Constant warmth and abundant moisture encourage lush, layered vegetation and high rates of speciation.

Q2: Trees sequester carbon; removing them releases CO_2 and reduces future carbon storage, worsening climate change.

Q3: Nutrients are stored in living vegetation, so once cleared, rain rapidly washes nutrients out of the soil.