Teacher Answer Key

Case Study

1. They observed the river's seasonal floods and how it reshaped the land, providing resources and changing pathways.

2. Dams reduce natural flooding, altering sediment transport and thus changing the river's ability to deposit sediment in the canyon.

Multiple Choice

1. D

2. B

3. A

Matching

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

Fill-in-the-Blank

1) Chemical, 2) Erosion, 3) till

Short Answer (Sample Responses)

Q1: It helps farmers avoid soil loss and maintain soil fertility by implementing practices like contour plowing or crop rotation.

Q2: Deforestation, overgrazing, and poor land management remove protective vegetation, increasing surface runoff and soil erosion.

Q3: By trapping sediment upstream, dams can reduce the sediment supply that would normally replenish beaches and deltas downstream.