Teacher Answer Key

Case Study

1. Flood-borne silt deposited nutrients onto fields, boosting crop yields.

2. Loss of silt downstream necessitates more fertilizers, and changed water flow alters fish habitats and accelerates delta erosion.

Multiple Choice

1. B

2. D

3. A

Matching

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

Fill-in-the-Blank

1) Floodplain, 2) Glacial, 3) Rift

Short Answer (Sample Responses)

Q1: They provide fertile soil, abundant water, and navigable routes, enabling stable agriculture and trade.

Q2: Dams reduce natural silt deposition, alter fish migration, and can change flood patterns that once replenished nutrients.

Q3: As glaciers recede, less meltwater is available; ecosystems and agriculture downstream may face water shortages or timing shifts.