Teacher Answer Key

Case Study

1. An oceanic-continental subduction zone (Juan de Fuca Plate diving under North America) caused the massive quake.

2. Coastal cities improved building standards, developed tsunami evacuation plans, and conduct public readiness drills.

Multiple Choice

1. A

2. C

3. D

Matching

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

Fill-in-the-Blank

1) convergent, 2) Continental-continental, 3) Tsunamis

Short Answer (Sample Responses)

Q1: As the plates lock together, they store immense stress that releases violently when the fault finally ruptures.

Q2: High elevations create different temperature and rainfall patterns, supporting specialized plant and animal communities.

Q3: Seismic networks, tsunami buoys, and strict engineering codes all help reduce casualty and infrastructure damage.