Teacher Answer Key

Case Study

1. El Niño suppresses cold-water upwellings, depriving fish of nutrients and leading to lower fish populations.

2. Potential losses include reduced fishing revenues and expensive damages from flooding and storms.

Multiple Choice

1. B

2. C

3. A

Matching

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

Fill-in-the-Blank

1) weather, 2) climate, 3) Weather

Short Answer (Sample Responses)

Q1: A single cold winter is part of weather variability, whereas global warming trends are observed over decades, reflecting climate.

Q2: They use long-term averages to design buildings for temperature extremes, plan energy usage, and decide what crops or products to focus on.

Q3: Accurate predictions allow fisheries and coastal communities to prepare for altered catch sizes and potential flood damage