Teacher Answer Key

Case Study

1. A massive undersea earthquake displaced water, creating a tsunami.

2. Without warnings, coastal populations had no time to evacuate, increasing casualties.

Multiple Choice

1. D

2. A

3. B

Matching

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

Fill-in-the-Blank

1) Wavelength, 2) Shallow, 3) Fetch

Short Answer (Sample Responses)

Q1: Swells travel long distances smoothly, creating consistent waves ideal for surfing and easier navigation.

Q2: Tsunamis transfer seismic energy across oceans, but individual water molecules mainly move in circular orbits.

Q3: It helps design seawalls, harbors, and evacuation plans to protect against erosion and flooding.