Teacher Answer Key

Case Study

1. Formed by subduction of Pacific Plate beneath Mariana Plate.

2. Provides data on life under extreme pressure, geology, and oceanic processes.

Multiple Choice

1. B

2. A

3. D

Matching

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

Fill-in-the-Blank

1) Mariana, 2) abyssal, 3) mid-ocean

Short Answer (Sample Responses)

Q1: Ridges stretch thousands of miles across oceans, forming continuous chains.

Q2: New species, sediment samples, geology of subduction zones.

Q3: Store carbon, preserve climate history, but mining risks ecosystem damage.