Teacher Answer Key

Case Study

1. Sediment age increased with distance from ridges → confirmed seafloor spreading.

2. Record layers of climate change, volcanic eruptions, asteroid impacts.

Multiple Choice

1. C

2. D

3. B

Matching

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

Fill-in-the-Blank

1) JOIDES, 2) sound, 3) cores

Short Answer (Sample Responses)

Q1: Revealed ridges, trenches, and mountains once thought impossible on the seafloor.

Q2: Provides direct evidence of plate tectonics and Earth's geological history.

Q3: Contain sediments that show climate cycles, ice ages, and major Earth events.