Teacher Answer Key

Case Study

1. Showed life thriving without sunlight → new understanding of ecosystems.

2. Symbiotic bacteria perform chemosynthesis inside their bodies.

Multiple Choice

1. D

2. C

3. B

Matching

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

Fill-in-the-Blank

1) mid-ocean, 2) chemosynthesis, 3) Galápagos

Short Answer (Sample Responses)

Q1: Release minerals like sulfur and metals, altering seawater balance.

Q2: Provide heat, chemicals, and conditions for life's building blocks.

Q3: High pressure, no sunlight, toxic chemicals, and extreme heat.