Teacher Answer Key

Case Study

1. It contains ancient hominid fossils, offering insights into early human history in a tectonically active environment.

2. Volcanic eruptions and earthquakes disrupt infrastructure, and they must also cope with potential land shifts and resource management challenges.

Multiple Choice

1. C

2. A

3. D

Matching

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

Fill-in-the-Blank

1) Fold, 2) Plain, 3) River erosion

Short Answer (Sample Responses)

Q1: Mountains create barriers that force air to rise and cool, leading to higher rainfall on windward sides and drier conditions on leeward sides.

Q2: Fold mountains form through compression and bending, often at convergent boundaries, while fault-block mountains form when large sections of the crust are uplifted along faults.

Q3: Plains typically have fertile soils suitable for agriculture, ample space for settlement, and relatively easy terrain for infrastructure development.