Teacher Answer Key

Case Study

1. Accumulated plankton remains formed chalk deposits uplifted into cliffs.

2. Shell chemistry records ocean temperature and conditions → climate evidence.

Multiple Choice

1. B

2. A

3. A

Matching

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

Fill-in-the-Blank

1) terrigenous, 2) biogenous, 3) cosmogenous

Short Answer (Sample Responses)

Q1: Coarser material settles quickly, finer clays travel farther before settling.

Q2: Contain valuable metals, but mining could harm deep-sea ecosystems.

Q3: Provide fossil records and chemical signals showing ancient ocean conditions.