Teacher Answer Key

Case Study

1. Chemists track pH and nutrients; geologists analyze reef growth and structure.

2. Reefs depend on life, chemistry, geology, and currents, requiring all branches to work together.

Multiple Choice

1. D

2. D

3. A

Matching

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

Fill-in-the-Blank

1) Oceanography, 2) Acidification, 3) Biology

Short Answer (Sample Responses)

Q1: They preserve fossils and chemical records, showing temperature and atmospheric changes.

Q2: Upwelling brings nutrients to the surface, fueling biological productivity.

Q3: It requires biology, chemistry, geology, and physical oceanography to fully understand reef health.