Teacher Answer Key

Case Study

1. Barnacles cement themselves to rocks, and mussels anchor together for strength.

2. It provides food, nurseries, and biodiversity despite harsh environmental changes.

Multiple Choice

1. C

2. A

3. D

Matching

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

Fill-in-the-Blank

1) Pelagic, 2) Changing, 3) Neritic

Short Answer (Sample Responses)

Q1: Zonation creates unique habitats, allowing many species to specialize and coexist.

Q2: Rising temperatures and sea-level rise shift conditions, altering species distributions.

Q3: Organisms there adapt to extremes, making it a natural laboratory for resilience.