Teacher Answer Key

Case Study

1. Heat stress causes corals to expel algae, removing their main food source and causing bleaching.

2. Grazing fish reduce algae growth, giving corals space and time to recover.

Multiple Choice

1. A

2. C

3. D

Matching

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

Fill-in-the-Blank

1) Photic, 2) Bleaching, 3) Upwelling

Short Answer (Sample Responses)

Q1: Abiotic conditions like temperature and salinity set limits, while biotic interactions like predation determine populations.

Q2: Pollution can reduce oxygen levels, creating dead zones.

Q3: Protecting a keystone species maintains balance across the food web.