Teacher Answer Key

Case Study

1. Overfishing, pollution, habitat loss, and low-oxygen dead zones.

2. They regulate prey populations and provide food for many predators.

Multiple Choice

1. D

2. A

3. C

Matching

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

Fill-in-the-Blank

1) Chitin, 2) Crushing, 3) Prey

Short Answer (Sample Responses)

Q1: Molting allows growth but leaves crustaceans vulnerable until the new shell hardens.

Q2: Shrimp clean parasites from fish and recycle nutrients, while shrimp fisheries feed millions worldwide.

Q3: Crabs act as scavengers and predators, lobsters are opportunistic hunters, and shrimp filter or recycle nutrients, all maintaining balance.