Teacher Answer Key

Case Study

1. They live in deep, dark waters that are difficult to study. Their research shows how much of the ocean is still unexplored.

2. Enormous size, large eyes for deep-sea vision, and adaptations to dark environments.

Multiple Choice

1. D

2. C

3. B

Matching

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

Fill-in-the-Blank

1) Plankton (or: detritus), 2) Color, 3) Mantle

Short Answer (Sample Responses)

Q1: Bivalves filter out plankton and detritus, improving water clarity and recycling nutrients.

Q2: Their complex eyes and large brains allow problem-solving, learning, and effective hunting.

Q3: Shelled mollusks rely on hard shells for defense, while cephalopods use camouflage, ink, and intelligence.