Teacher Answer Key

Case Study

1. Dynamic soaring harvests energy from wind gradients, allowing albatrosses to glide long distances without constant wing flapping.

2. Longline fishing uses baited hooks that attract birds; albatrosses get snagged and drown, causing major population declines.

Multiple Choice

1. B

2. D

3. C

Matching

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

Fill-in-the-Blank

1) celestial cues/Earth's magnetic field, 2) bones, 3) salt

Short Answer (Sample Responses)

Q1: Long migrations like those of the Arctic tern show endurance through thousands of miles of flight and navigation using celestial, magnetic, and landmark cues.

Q2: Penguins have flipper-like wings and dense bones, while cormorants have wettable feathers that reduce buoyancy but require drying afterward.

Q3: Colonies provide safety in numbers and efficient breeding but increase vulnerability to predators, disease, and human disturbance.