Teacher Answer Key

Case Study

1. Baleen plates filter vast amounts of krill and small fish from water, an efficient method for exploiting dense prey populations.

2. The spread of songs shows cultural transmission, as new variations spread socially through populations rather than genetically.

Multiple Choice

1. D

2. A

3. B

Matching

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

Fill-in-the-Blank

1) echolocation, 2) blubber, 3) mating

Short Answer (Sample Responses)

Q1: Baleen whales filter-feed with baleen plates, while toothed whales use teeth and echolocation to hunt larger prey.

Q2: Cultural traditions, dialects, songs, and tool use indicate advanced cognition and learning beyond instinct.

Q3: Whale songs travel long distances, allowing researchers to detect populations and track migration patterns without direct observation.