Teacher Answer Key

Case Study

1. Because it has no outlet, salts build up as water only leaves through evaporation.

2. The steady state is disrupted because input from rivers is not balanced by any significant removal of salts.

Multiple Choice

1. C

2. A

3. B

Matching

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

Fill-in-the-Blank

1) Weathering, 2) Ocean, 3) Thermohaline

Short Answer (Sample Responses)

Q1: Variations occur due to differences in evaporation and freshwater inflow.

Q2: It helps drive sinking and rising currents, redistributing heat and nutrients globally.

Q3: Their proportions remain stable across the ocean due to long residence times.