Teacher Answer Key

Case Study

1. Freshwater diluted salinity, preventing dense water from sinking.

2. Greenland's melting could slow or halt the same circulation system today.

Multiple Choice

1. A

2. D

3. C

Matching

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

Fill-in-the-Blank

1) Thermohaline circulation, 2) Carbon dioxide, 3) Global

Short Answer (Sample Responses)

Q1: Freshwater lowers salinity and density, weakening sinking and circulation.

Q2: It supplies nutrients to surface waters, supporting fisheries and ecosystems.

Q3: By moving heat and carbon, it influences global temperatures and weather.