Teacher Answer Key

Case Study

1. They showed that iron limits phytoplankton growth in many regions, and adding it boosts productivity.

2. It could disrupt ecosystems, cause oxygen loss, or lead to harmful blooms.

Multiple Choice

1. C

2. D

3. B

Matching

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

Fill-in-the-Blank

1) biological, 2) limiting, 3) carbonate

Short Answer (Sample Responses)

Q1: They absorb CO_2, produce oxygen, and regulate greenhouse gas levels.

Q2: They package phytoplankton into sinking fecal pellets that carry carbon downward.

Q3: Artificial interference could harm ecosystems, alter food webs, and worsen climate issues.