Teacher Answer Key

Case Study

1. A single Norway spruce absorbs large amounts of carbon dioxide each year, which significantly improves air quality in dense urban neighborhoods.

2. Norway spruce trees filter dust and harmful pollutants from the air, which reduces respiratory health risks for people living nearby.

Multiple Choice

1. B

2. A

3. C

Matching

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

Fill-in-the-Blank

1) chlorophyll, 2) waxy, 3) slow

Short Answer (Sample Responses)

Q1: Evergreens use stored water in their needles and reduced photosynthesis processes to continue energy production.

Q2: They provide shelter and food, stabilize soil, and absorb carbon dioxide to improve air quality.

Q3: Evergreens symbolize life and resilience, becoming central to Christmas through cultural traditions.