Teacher Answer Key

Case Study

1. Too much fog makes visibility dangerously low and ruins the experience; too little and the spooky effect is lost. Operators must balance the density carefully to maintain both safety and atmosphere.

2. Safety requires ventilation systems to keep air breathable and prevent irritation for workers and guests. Staff must also be trained on how to maintain machines, handle chemicals safely, and monitor airflow.

Multiple Choice

1. D

2. A

3. D

Matching

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

Fill-in-the-Blank

1) Carbon dioxide, 2) Heating, 3) Visibility

Short Answer (Sample Responses)

Q1: They use real processes—sublimation and vaporization—to make fog effects for fun and theater.

Q2: Dry ice fog hugs the ground but lasts briefly; glycol fog can last longer but may irritate lungs.

Q3: Ventilation keeps air breathable, prevents irritation, and ensures safe conditions for guests and workers.