Teacher Answer Key

Case Study

1. Infrasound vibrations resonate throughout the chest cavity and even the eyeballs, creating physical feelings of unease. Research shows exposure to these low frequencies raises adrenaline levels, which intensifies fear.

2. Low-frequency sounds build anxiety in the body, and when they suddenly jump to very loud sounds over 100 decibels, the contrast triggers an intense startle reflex that overwhelms the nervous system.

Multiple Choice

1. C

2. D

3. B

Matching

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

Fill-in-the-Blank

1) Decibels, 2) Persistence, 3) Fight-or-flight

Short Answer (Sample Responses)

Q1: Amplitude increases energy of sound waves, making them more startling; frequency determines whether they are audible or felt.

Q2: Low light reduces detail and makes it harder to detect threats, increasing vulnerability.

Q3: It shows how measurable energy (sound, light, motion) produces biological responses like fear.