Teacher Answer Key

Case Study

1. Ring of Fire shows tectonics cause hazards → vital for preparation.

2. Subduction zone quake triggered tsunami → damaged Fukushima, caused widespread destruction.

Multiple Choice

1. D

2. A

3. B

Matching

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

Fill-in-the-Blank

1) convection, 2) volcanic eruptions, 3) Pangaea

Short Answer (Sample Responses)

Q1: Heat rises in mantle → convection currents → plates move.

Q2: Helps predict earthquakes, volcanoes, tsunamis → saves lives.

Q3: Divergent = plates move apart (ridges); Convergent = plates collide (mountains, trenches).