

Chapter 9

Text Pages 258–259

STUDY GUIDE

● Living on a Fault

Use the terms in the box to complete the sentences.

seismic-safe
building codes
San Francisco Bay

earthquake
vibrations
highways

magnitudes
crumbling structures
underground pipes

1. An _____ can result in the loss of life and great damage to structures built by people.
2. Most deaths occur when people are trapped in or on _____.
3. Much of the Pacific Coast including the _____ area is earthquake-prone.
4. As a result, California has enforced strict _____ for new construction.
5. The codes have requirements to make new buildings _____ structures.
6. Today many high-rise office buildings stand on steel and rubber springs that help the building ride out the _____ caused by earthquakes.
7. _____ are being built with reinforcing rods in their cement columns.
8. Lives and property could be saved by replacing old _____ for gas and water with new ones that will bend during an earthquake.
9. By having seismic-safe structures, the San Francisco Bay area did not experience as much loss of life as other areas that had earthquakes with similar _____.

Answer the following questions in complete sentences.

1. What do the San Francisco Bay area, Armenia, and Iran have in common? _____

2. How are highway pillars with spiral reinforcing rods wrapped around them and buildings standing on steel and rubber springs alike? _____
3. Why did Interstate 880 collapse during the earthquake in the San Francisco Bay area? _____

4. Why did California enforce stricter building codes? _____

