Multiple Choice (Approximately 20-30 questions)
1. Earthquake research
2. Seismic waves (P waves, S waves, Surface Waves)
3. Fault Types (Normal, Reverse, Thrust, Strike-slip)
4. Elastic rebound theory
5. Locating earthquakes
6. Earthquake scales
7. Damage control
8. Predicting earthquakes
9. San Andreas Fault system
10. Tectonics of major earthquakes
11. Tsunami
12. Sumatra Indonesia Tsunami
13. Tsunami generation
14. Wave velocity and heights

Important Vocabulary

amplitude
elastic rebound theory
epicenter
faults
focus
forecasts
foreshocks
harbor waves
Liquefaction
mercalli intensity scale
normal fault
P waves
period
predictions
reverse fault
richter magnitude
S waves
seiche
seismic gap
seismogram
seismograph
shakemaps
strain
stress
strike-slip fault
surface waves
thrust fault
triangulation
tsunami
tsunami warning
tsunami watch
Wavelength

Fill in the Blank (Approximately 10 questions)
1. Vocabulary at the end of the chapters, bold faced terms in the textbook, and terms taken off the notes.

Short Answer / Essay (Approximately 3-5 questions)
1. Explain how seismologists find the epicenter of an earthquake.
2. Describe the 4 major fault types. Make sure to describe what plate boundary and force are associated with each fault type.
3. According to your notes, list some unusual observations that can happen before a large earthquake event.
4. Describe a seismic gap, and explain how it may be used to predict future earthquakes.
5. Explain what happens as tsunami wave’s travel from the open ocean to the coast. What changes in the waves are observed?
6. Explain how Hawaii might be considered the focal point for the next major tsunami.