

Chapter 1 : Answers to Chapter 7 Review Questions

View Notes - Chapter_7_Notes_Answer_Key from BUSINESS at Montgomery College. Sampling Distributions a To make inferences about a population, we need to understand sampling. 0 The sample mean.

The nature of the material on which the central portion of Mexico City had been built. Two factors account for the greater loss of life from the Armenian earthquake. First, the damaged cities in Armenia were densely populated and very near the epicenter. Second, most people lived in large multifamily concrete-slab apartment buildings that collapsed or were heavily damaged. Although the Northridge, California, earthquake was larger in terms of moment magnitude, poor construction practices in Armenia resulted in a much higher number of deaths. Moment magnitude has gained popularity among seismologists because 1 it is the only magnitude scale that correctly estimates the size of very large earthquakes; 2 it is determined by the size of the rupture surface and the amount of displacement; thus it is a better reflection of the total energy released during a quake; and 3 it can be verified by both field studies measurement of fault displacements and by seismographic methods. Many factors can be noted, particularly, the amplitude of the ground displacement or acceleration, the length of time that shaking occurs, and the character of the ground shaking. In general, vertical ground motion is not so dangerous as lateral or horizontal shaking, and short-period high-frequency vibrations are less dangerous than longer-period vibrations. Stability of the foundation material, building design, and construction quality are also important factors. Fire, landslides, and seismic sea waves tsunami are all capable of adding to the destructive nature of earthquakes. The Mercalli scale, in contrast, is an attempt to measure the intensity of the earthquake by examining the damage caused by the tremor. A tsunami, or seismic sea wave, is associated with an earthquake because it is generated by movement of the ocean floor faulting. These waves transfer vast quantities of energy, often great distances. The moderate quake might have occurred nearer the surface. The design of the structures in the affected area could also be significant. P waves are bent and slowed upon entering the outer core, producing a shadow zone, and S waves cannot pass through liquids. Thus, geologists concluded the outer core is molten. The asthenosphere, located between 70 to kilometers deep, consists of approximately 10 percent melted rock. This zone lies wholly within the mantle. The lithosphere lies above the asthenosphere and includes the crust and part of the upper mantle that part above the asthenosphere. The asthenosphere behaves plastically, whereas the lithosphere is rigid. Meteorites are considered to be samples of the material that accreted to form the planets. The composition of the mantle is thought to be similar to the rock peridotite, which contains iron and magnesium-rich silicate minerals. Both the inner and outer cores are thought to be enriched in iron with lesser amounts of the other lighter, common elements.

Chapter 2 : Chapter 7 - Ms. Nichols

Chapter 7 Power Notes Answer Sheet Section Autosomes "all chromosomes other than sex chromosomes; do not directly determine an organism's sex.

Chapter 3 : Unit Two: The Cell - AP Biology

Chapter 7. The Road to Revolution. Because the British controlled more North American territory after the Seven Years War, they had to devote more troops and supplies to secure the territories. The British needed more money to support this, so they started lev.