LECTURE 25: CONSTRUCTION OF MOUNTAIN RANGES

25. What is meant by the term orogenesis?
   A. it is a type of metamorphism
   B. it is the process by which subducting plates melt
   C. it is the development of a new rift valley
   D. it is the creation of mountain ranges
   E. it is a type of folding

25. The Cascades mountain range is a good example of:
   A. a volcanic arc
   B. the effects of subduction
   C. the effects of mountain building along a compressive plate boundary
   D. volcanoes along an Andean-type plate margin
   E. all of the above

25. Island arc volcanoes form:
   A. whenever subduction occurs
   B. when a continent subducts underneath another continent
   C. at ocean-ocean plate boundaries
   D. along the Cascadia subduction zone
   E. somewhere beneath the continental slope

25. Backarc. Volcanic arc. Forearc. What's missing from this list for an ocean-continent subduction zone?
   A. island arc
   B. deep arc
   C. subduction arc
   D. Noah's arc
   E. trench

25. The pile of crumpled sea floor sediments that build up where an ocean plate starts to subduct is called a/an:
   A. forearc basin
   B. island arc
   C. batholith
   D. turbidity flow
   E. accretionary wedge

25. In which of these places would you expect to find a suture zone?
   A. Himalayas
   B. Sierra Nevada
   C. East African Rift Valley
   D. mid-ocean ridge
   E. Gritman medical center

25. When a microcontinent collides with a larger continent, it gets added to the edge of the continent and is then referred to as a/an:
   A. accreted continent
   B. terrane
   C. island arc
   D. accretionary wedge
   E. mountain range