



## GeoScience Videos Quiz for Convergent Plate Boundaries

- Plates move \_\_\_\_\_ at convergent plate boundaries.
  - Towards each other
  - Away from each other
- Which boundaries are examples of convergent plate boundaries? The boundaries between the:
  - Nazca plate and South American plate
  - Pacific plate and Eurasian plate
  - Indian-Australian plate and Eurasian plate
  - Indian-Australian plate and Antarctica plate
  - African plate and South American plate
  - Nazca plate and Pacific plate
- Which plate descends into the subduction zone at the boundary between the Cocos and Caribbean plates?
  - Cocos
  - Caribbean
  - Neither
- Where are volcanoes located in association with a convergent boundary?
  - In front of the trench on the descending plate
  - Behind the trench on the overriding plate
- Which of the following form where two oceanic plates collide?
  - Island arc
  - Subduction Zone
  - Rift Valley
  - Transform Boundary
- How does magma form at convergent plate boundaries? Magma forms when
  - The descending plate heats up and melts in the subduction zone.
  - Friction from earthquakes causes rocks in the descending plate to melt.
  - Water from the descending plate is added to rocks of the overriding plate.
  - High pressure causes changes to the atomic structure of minerals in the overriding plate.
- Which type of convergent boundary typically doesn't generate magma?
  - Ocean-ocean
  - Ocean-continent
  - Continent-continent
- When two oceanic plates collide, what determines which plate undergoes subduction?

Answer key: 1. a); 2. a), b), c); 3. a); 4. b); 5. a) & b); 6. c); 7. c); 8. Answer should include discussion of relative age- older lithosphere undergoes subduction.