

## Lesson 1 Preinstructional Quiz: Earth 520

1.

1. Draw a cross-section of the Earth.

Label the following on your sketch: inner core, outer core, mantle, crust. Draw a hotspot plume and a sinking slab and the boundary layer known as D".

Here's how to make your drawing: go to <http://imaginationcubed.com>, follow the instruc-

tions for creating your drawing. Then click the "send" button and send me (eur10@psu.edu) the drawing.

Do not worry if you are not an accomplished artist or don't know how the items listed above should look! Just give it a shot.



2.

Joe Paterno was hired at Penn State 18 years before plate tectonics was accepted as a theory.

- ☐ A) True  
☐ B) False

3.

Briefly describe the differences in morphology between a shield volcano and a composite volcano and explain the reasons for these differences.



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4.

The sense of fault motion that occurs along California's San Andreas Fault is the same as the sense of motion along

- ☐ A) a subduction zone  
☐ B) an oceanic transform fault  
☐ C) a thrust fault in the Himalayas

Done

Show/Hide Answers